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Manual # 99906489

IMT Articulating Crane RCL Error Code List

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Iowa Mold Tooling Co., Inc. is an Oshkosh Corporation Company

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ERROR CODES 000-261

Error Code	Error level	Description:
000	**Warning**	**No Errors** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification. • An output is set to permanent ""On"" with no load attached • Change the output configuration and the load • RCL is in crew lift mode and crew level is illegal, or
002	**Panic**	**Emergency stop Pressed** • The emergency signal loop is broken on its way from the RCL530x though all modules and back to the RCL530x • There should be a termination in each end of the emergency stop loop. Check the input signal on K737 on the RCL530x • One ore more emergency stops have been pressed • Pull out all emergency stops.
003	**Warning**	**RCL5300/RCL5301 Internal communication fault** • The RCL530xB processor is not receiving data from RCL530xA • Check the CAN communication and CAN terminations on CAN1 • The internal communication between the RCL processors in not intact • Repower the RCL controller. • The CAN communication is not working • Check for short circuit on the CAN-bus, and check that the CAN termination is correct. • 003
004	**Panic**	**RAM failure** • The RCL5300/RCL5301 has an internal RAM failure • Replace the module • RCL is in crew lift mode and crew level is illegal, or
005	**Warning**	**Internal Realtime clock communication failure** • The RCL5300/RCL5301 can not communicate with the internal RealTimeClock • Repower the RCL, and if that does not help, replace the RCL controller
006	**Warning**	**Real-time clock battery Low (warning for 20 sec)** • The controllers backup battery for the realtime clock is flat • The controller should be able to run link normal, but certain logging functions that are limited

007	**Error**	**Internal SPI Que Time Out**
		• Internal software error
		  • Repower the RCL
		  • Update RCL software

008	**Error**	**Internal SPI error**
		• Internal software error
		  • Repower the RCL
		  • Update RCL software

009	**Panic**	**Internal ADC fail**
		• Internal software error
		  • Repower the RCL
		  • Update RCL software

010	**Error**	**Security switch/Deadmans handle not activated** • Security switch or deadmans handle not active • Make sure that the security switches are active, and that the deadmans handle is activated.

011	**Panic**	**Internal Data communication error RCLB system 1**
		• The internal communication between the RCL processors in not intact
		  • Repower the RCL controller.
		  • Incompatible software version in the 2 processors
		  • Download compatible software

012	**Panic**	**Internal Data communication error RCLB system 2**
		• The internal communication between the RCL processors in not intact
		  • Repower the RCL controller.
		  • Incompatible software version in the 2 processors
		  • Download compatible software

013	**Panic**	**Internal Data communication error RCLB system 3**
		• The internal communication between the RCL processors in not intact
		  • Repower the RCL controller.
		  • Incompatible software version in the 2 processors
		  • Download compatible software

014	**Panic**	**Internal Data communication error RCLB system 4**
		• The internal communication between the RCL processors in not intact
		  • Repower the RCL controller.
		  • Incompatible software version in the 2 processors
		  • Download compatible software

015	**Panic**	**Internal Data communication error RCLB system 5**
		• The internal communication between the RCL processors in not intact
		  • Repower the RCL controller.
		  • Incompatible software version in the 2 processors
		  • Download compatible software

016	**Panic**	**Internal Data communication error RCLB system 6** • The internal communication between the RCL processors in not intact • Repower the RCL controller. • Incompatible software version in the 2 processors • Download compatible software
017	**Panic**	**Internal data communication error RCLB system 7 .** • The internal communication between the RCL processors in not intact • Repower the RCL controller. • Incompatible software version in the 2 processors • Download compatible software
018	**Warning**	**Invalid command sent to RCL5300.** • Illegal command sent to RCL5300. Or a new profile has been transmitted to RCL5300without being repowered. • Repower the system. If the problem persists then check for wrong commands sent to the RCL5300.
019	**Panic**	**Missing CAN unit.** • A unit is missing on the Can bus. • Check the cable connections. • Push red button to see id of the unit missing. • **IDs:** 1: RCL5300A 2: RCL5300A 3: RCL5300B 4: RCL5300B 5: RCL5305/RCL5300A 7: FJC5330A 8: FJC5330A 9: FJC5330B 10: FJC5330B 11: WIC5333A 12: WIC5333A 13: WIC5333B 14: WIC5333B 16: Valve Slew 17: Valve Boom 18: Valve Jib 19: Valve Extension 20: Valve Flyjib 21: Valve Flyjib Extension 22: Valve Winch 23: Valve Rotator 24: Valve Grab

019	**Panic**	25: Valve Cr.Aux 1 26: Valve Cr.Aux 2 27: Valve Cr.Aux 3 28: Valve Cr.Aux 4 29: Valve Dump 2 30: Valve Dump 1 31: Valve Spare part 32: Valve Cr.Aux 5 33: Valve Cr.Aux 6 37: IOT Module 41: CIO5070 1 42: CIO5070 1 43: CIO5070 2 44: CIO5070 2 45: CIO5374 1 46: CIO5374 1 47: CIO5374 2 48: CIO5374 2 49: Slew Encoder A 50: Slew Encoder B 51: ECT5320 1 52: ECT5320 1 53: ECT5320 2 54: ECT5320 2 55: ECT5320 3 56: ECT5320 3 57: Slew Auxiliary 58: Winch Park Valve 59: BB Main 3 60: BB 4 61: ECT5310 1 62: ECT5310 1 63: ECT5310 2 64: ECT5310 2 65: ECT5310 3 66: ECT5310 3 67: CIO5376A 1 68: CIO5376A 1

19	**Panic**	69: CIO5376B 1 70: CIO5376B 1 71: CIO5376A 2 72: CIO5376A 2 73: CIO5376B 2 74: CIO5376B 2 75: Wire Length Encoder 76: Angle Boom 77: Angle Jib 78: Angle Flyjib 79: Angle Winch Park 80: Generic I/O 1 (CR2033/SCC6076) 81: Generic I/O 2 (CR2033/SCC6076) 82: Generic I/O 3 (CR2033/SCC6076) 83: Generic I/O 4 (CR2033/SCC6076) 86: Winch nose wheel encoder 87: Angle Boom Redundant 88: Angle Jib Redundant 90: Sensor Spare part 91: Redundant Sensor Spare part 96: Inclinometer (Single/Redundant) 97: Inclinometer (Redundant) 98: AIC5062 1 99: AIC5062 2 100: Scanreco G2 101: Scanreco G2 (New version) 102: SCC6076 - Flyjib 104: SCC6076 - Crewbasket 110: Stab Valve 00 111: Stab Valve 01 112: Stab Valve 02 113: Stab Valve 03 114: Stab Valve 04 115: Stab Valve 05 116: Stab Valve 06 117: Stab Valve 07 118: Stab Valve 08 119: Stab Valve 09

019	**Panic**	120: Stab Valve 10 121: Stab Valve 11 122: Stab Valve 12 123: Stab Valve 13 124: Stab Valve 14 125: Valve Stab Dir
020	**Warning**	**Invalid lever configuration.** • A lever config name has been used twice. This is now allowed. • Check the lever configuration.
021	**Warning**	**Invalid lever configuration.** • More than one lever configuration is set to be activated as default. This is not allowed. • Check the lever configuration.
023	**Error**	**One or several RCL5300 panel buttons are stuck.** • Repower the RCL5300. • Release all RCL5300 buttons. • Dry the panel. • Check for water on the inside of the RCL5300. • Check the panel input cables on the inside of the RCL5300. • Replace RCL5300 front panel. • Replace RCL5300. • Press and hold red button to see id of button(s) that are stuck. • **IDs** 1: Red button stuck 2: Yellow button stuck 3: Red and yellow buttons stuck 4: Green button stuck 5: Green and red button stuck 6: Green and yellow buttons stuck 7: Green, red and yellow buttons stuck 8: Blue button stuck 9: Blue and red buttons stuck 10: Blue and yellow buttons stuck 11: Blue, red and yellow buttons stuck 12: Blue and green buttons stuck 13: Blue, green and red buttons stuck 14: Blue, green and yellow buttons stuck 15: All buttons stuck

025	**Panic**	**Missing CAN message.** • An expected message from a unit on the Can bus has timed out. • Check the cable connections. • Push red button to see id of the unit missing. • **IDs:** 1: RCL5300A 2: RCL5300A 3: RCL5300B 4: RCL5300B 5: RCL5305/RCL5300A 7: FJC5330A 8: FJC5330A 9: FJC5330B 10: FJC5330B 11: WIC5333A 12: WIC5333A 13: WIC5333B 14: WIC5333B 16: Valve Slew 17: Valve Boom 18: Valve Jib 19: Valve Extension 20: Valve Flyjib 21: Valve Flyjib Extension 22: Valve Winch 23: Valve Rotator 24: Valve Grab 25: Valve Cr.Aux 1 26: Valve Cr.Aux 2 27: Valve Cr.Aux 3 28: Valve Cr.Aux 4 29: Valve Dump 2 30: Valve Dump 1 31: Valve Spare part 32: Valve Cr.Aux 5 33: Valve Cr.Aux 6 37: IOT Module 41: CIO5070 1

025	**Panic**	42: CIO5070 1 43: CIO5070 2 44: CIO5070 2 45: CIO5374 1 46: CIO5374 1 47: CIO5374 2 48: CIO5374 2 49: Slew Encoder A 50: Slew Encoder B 51: ECT5320 1 52: ECT5320 1 53: ECT5320 2 54: ECT5320 2 55: ECT5320 3 56: ECT5320 3 57: Slew Auxiliary 58: Winch Park Valve 59: BB Main 3 60: BB 4 61: ECT5310 1 62: ECT5310 1 63: ECT5310 2 64: ECT5310 2 65: ECT5310 3 66: ECT5310 3 67: CIO5376A 1 68: CIO5376A 1 69: CIO5376B 1 70: CIO5376B 1 71: CIO5376A 2 72: CIO5376A 2 73: CIO5376B 2 74: CIO5376B 2 75: Wire Length Encoder 76: Angle Boom 77: Angle Jib 78: Angle Flyjib 79: Angle Winch Park

025	**Panic**	80: Generic I/O 1 (CR2033/SCC6076) 81: Generic I/O 2 (CR2033/SCC6076) 82: Generic I/O 3 (CR2033/SCC6076) 83: Generic I/O 4 (CR2033/SCC6076) 86: Winch nose wheel encoder 87: Angle Boom Redundant 88: Angle Jib Redundant 90: Sensor Spare part 91: Redundant Sensor Spare part 96: Inclinometer (Single/Redundant) 97: Inclinometer (Redundant) 98: AIC5062 1 99: AIC5062 2 100: Scanreco G2 101: Scanreco G2 (New version) 102: SCC6076 - Flyjib 104: SCC6076 - Crewbasket 110: Stab Valve 00 111: Stab Valve 01 112: Stab Valve 02 113: Stab Valve 03 114: Stab Valve 04 115: Stab Valve 05 116: Stab Valve 06 117: Stab Valve 07 118: Stab Valve 08 119: Stab Valve 09 120: Stab Valve 10 121: Stab Valve 11 122: Stab Valve 12 123: Stab Valve 13 124: Stab Valve 14 125: Valve Stab Dir
026	**Error**	**RCL5300A CAN timeout.** • A satellite unit has seen a timeout from RCL5300A • Check the cable connections.
027	**Error**	**Configuration transfer failed.** • A configuration parameter transfer from RCL5300 to a satellite module has failed. • Reboot system to restart the transfer. • Hold down the red button for information about the misconfigured module. • For further diagnostics use the CGW.

028	**Panic**	**FlyJib module update required.** • The flyjib module (FJC5330) software is not compatible with the RCL5300 software. • Update the flyjib module (FJC5330).
029	**Error**	**Too many Can bus modules.** • The Can bus has more modules attached than supported by the RCL5300.
030	**Error**	**CAN open module setup failed.** • The heartbeat setup of a CAN open module has failed.

032	**Error**	**Internal SPI EEPROM error 1**
		• Internal software error
		  • Repower the RCL
		  • Update RCL software
		  • Replace RCL

033	**Error**	**Internal SPI EEPROM error 2**
		• Internal software error
		  • Repower the RCL
		  • Update RCL software
		  • Replace RCL

034	**Error**	**Flyjib is detached** • The flyjib controller is unconnected.
035	**Panic**	**EVS is illegally enabled** • The EVS configuration indicates that the EVS system was not bought from factory and has been activated illegally. • Contact your local sales or service department for correct installation of the EVSsystem

036	**Error**	**EVS inclination signal is missing**
		• The inclination sensor signal is missing.
		  • Check Wiring.
		  • Monitor signal with CGW or Service Tool.
		  • Last action: Replace inclination sensor.

037	**Error**	**EVS slew sensor signal is missing**
		• The slew sensor signal is missing
		  • Check Wiring.
		  • Monitor signal with CGW or Service Tool.
		  • Last action: Replace slew sensor.

038	**Error**	**EVS front left out rig signal is missing**
		• The front left out rig length indication signal is missing. Signal can be both digital or analog depending on the crane configuration.
		  • Check Wiring.
		  • Monitor signal with CGW or Service Tool.
		  • Last action: Replace front left out rig length indication sensor.

039	**Error**	**EVS front right out rig signal is missing** • The front right out rig length indication signal is missing. Signal can be both digital or analog depending on the crane configuration. • Check Wiring. • Monitor signal with CGW or Service Tool. • Last action: Replace front right out rig length indication sensor.
040	**Error**	**EVS rear left out rig signal is missing** • The rear left out rig length indication signal is missing. Signal can be both digital or analog depending on the crane configuration. • Check Wiring. • Monitor signal with CGW or Service Tool. • Last action: Replace rear left out rig length indication sensor.
041	**Error**	**EVS rear right out rig signal is missing** • The rear right out rig length indication signal is missing. Signal can be both digital or analog depending on the crane configuration. • Check Wiring. • Monitor signal with CGW or Service Tool. • Last action: Replace rear right out rig length indication sensor.
042	**Error**	**EVS leveling bypass signal is missing (CBS signal)** • The signal indicating the leveling bypass is missing. Signal can be both digital or analog depending on the crane configuration. • Check Wiring. • Monitor signal with CGW or Service Tool. • Last action: Replace leveling bypass sensor
043	**Error**	**EVS "ready" area signal is missing** • The signal indicating on or more EVS "ready" areas are missing. Signal can be both digital or analog depending on the crane configuration. • Check Wiring. • Monitor signal with CGW or Service Tool. • Last action: Replace "ready" area sensor
044	**Panic**	**EVS setup is not performed** • An EVS setup procedure has not been executed. • Perform EVS setup procedure.
045	**Panic**	**EVS inclination signal is not calibrated** • The inclination sensor signal is not calibrated. • Perform inclination sensor calibration (factory calibration). The crane must be horizontally leveled during calibration. Contact local service department guidance.
046	**Panic**	**EVS slew sensor signal is not calibrated** • The slew sensor signal is not calibrated • Perform slew sensor calibration. Contact local service department guidance.
047	**Panic**	**EVS front left out rig signal is not calibrated** • The front left out rig length indication signal is not calibrated. • Perform front left out rig signal calibration. Contact local service department guidance.

048	**Panic**	**EVS front right out rig signal is not calibrated** • The front right out rig length indication signal is not calibrated. • Perform front right out rig signal calibration. Contact local service department guidance.
049	**Panic**	**EVS rear left out rig signal is not calibrated** • The rear left out rig length indication signal is not calibrated. • Perform rear left out rig signal calibration. Contact local service department guidance.
050	**Panic**	**EVS rear right out rig signal is not calibrated** • The rear right out rig length indication signal is not calibrated. • Perform rear right out rig signal calibration. Contact local service department guidance.
067	**Panic**	**SLC error** • Conditions for SLC is not fulfilled. SLC is unable to run. • SLC is unable to run. Please refer to the extra errors for a reason. • **Extra Errors** 7: Unable to handle SLC on the flyjib: remove the flyjib or the nose wheel
068	**Error**	**SLC-nose wheel is detached** • The nose wheel for SLC have been removed. • The nose wheel have be attached in order to use SLC. The error can be accepted and the crane used without SLC.
069	**Error**	**SLC error** • Conditions for SLC is not fulfilled. SLC is unable to run. • SLC is unable to run. Please refer to the extra errors for a reason. • **Extra Errors** 1: Not in crane mode: Change mode to crane mode 2: Winch not ready: activated winch 3: Winch in ease-stop: roll back wire 4: Digital input for SLC is not configured: configure the input for SLC 5: SLC unstable: SLC has a distance-error to big 6: No wire contact due to angle: Change the angle of the jib or flyjib to regain contact 7: 8: No contact to nose wheel encoder: investigate the encoder and its connection 9: No signal from nose wheel encoder: investigate the encoder and its connection 10: Winch not enabled: Enable the winch 11: No signal from winch: investigate the winch and its connection 12: Mooring is running: deactivate mooring 13: No signal from winch park encoder: investigate the encoder and its connection 14: No contact to winch park encoder: investigate the encoder and its connection
070	**Error**	**Internal SPI error** • Internal software error • Repower the RCL • Update RCL software

071	**Error**	**Internal EEPROM Write Timeout**
		• Internal software error
		  • Repower the RCL
		  • Update RCL software

072	**Error**	**Internal SPI error**
		• Internal software error
		  • Repower the RCL
		  • Update RCL software

073	**Error**	**Internal SPI error**
		• Internal software error
		  • Repower the RCL
		  • Update RCL software

074	**Error**	**Internal SPI error**
		• Internal software error
		  • Repower the RCL
		  • Update RCL software

080	**Panic**	• **RCL530x Sensor supp. out Short circuit or overload** • The sensor supply outputs (K2xx) on the RCL530x are overloaded or short circuit • Check sensor supples that are connected to K2xx terminals on the RCL530x for short circuit

091	**Panic**	**CAN Preoperational node state**
		• The controller are in CAN Open Preoperational mode
		  • Repower the system.
		  • The RCL software version is not correct
		  • Download the newest version of the RCL software.

092	**Panic**	**CAN stopped node state**
		• The controller are in CAN Open Stopped mode
		  • Disconnect from any configurations device / PC, repower the system. If that doesn't solve the failure, contact IMT for support.
		  • The RCL software version is not correct
		  • Download the newest version of the RCL software.

093	**Panic**	**CAN boot up node state**
		• The controller are in CAN Open Stopped mode
		  • Disconnect from any configurations device / PC, repower the system. If that doesn't solve the failure, contact IMT for support.
		  • The RCL software version is not correct
		  • Download the newest version of the RCL software.

099	**Panic**	**- Error system overrun (Restart system)** • There have occurred more errors at one time that could be handled. This could be caused by many failures during initial configuration • Store the profile in the controller, and restart the module.
100	**Panic**	**Internal PDO configuration failed (System 1)** • There are an internal software configuration error • Contact IMT for a correct software version for the RCL530x

101	**Panic**	**CIO5399A communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
102	**Panic**	**CIO5399B communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
103	**Panic**	**CIO5070/1 communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
104	**Panic**	**FLYJIB-A communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
105	**Panic**	**FLYJIB-B communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
106	**Panic**	**WINCH-A communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
107	**Panic**	**WINCH-B communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
108	**Panic**	**CAN RC no CAN communication** • No CAN communication with the module.. • Check the power supply to the module. Check ignition to the module.. Check the CAN connection.., and CAN terminations to the module. Replace module.. • Remote control: receiver might have stopped communication on the CAN-bus • Repower the remote control
109	**Panic**	**CIO5376A-1 communication error** • RCL is in crew lift mode and crew level is illegal, or
110	**Panic**	**CIO5376B-1 communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
111	**Panic**	**CIO5376A-2 communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.

112	**Panic**	**CIO5376B-2 communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
113	**Panic**	**CIO5376A-3 communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
114	**Panic**	**CIO5376B-3 communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
115	**Panic**	**CIO5374-1 communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
116	**Panic**	**CIO5374-2 communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
117	**Panic**	**CIO5374-3 communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
118	**Panic**	**AIC1 communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
119	**Panic**	**AIC1 internal source communication error** • Communication with Internal inclinometers failing • Check the connection to the sensors mounted in the lit, and repower the system.
120	**Panic**	**AIC2 communication error** • No CAN communication with the module. • Check the power supply to the module. Check ignition to the module. Check the CAN connection., and CAN terminations to the module. Replace module.
121	**Panic**	**AIC2 internal source communication error** • Communication with Internal inclinometers failing • Check the connection to the sensors mounted in the lit, and repower the system.
122	**Panic**	**I/O module 80 communication error** • CAN communication timeout • Repower the system. Check the CAN connection.
123	**Panic**	**I/O module 80 communication error** • CAN communication timeout • Repower the system. Check the CAN connection.

124	**Panic**	**I/O module 82 communication error** • CAN communication timeout • Repower the system. Check the CAN connection.
125	**Panic**	**I/O module 83 communication error** • CAN communication timeout • Repower the system. Check the CAN connection.
126	**Panic**	**No connection to slew sensor I**
127	**Panic**	**No connection to slew sensor II**
128	**Panic**	**No connection to slew sensor II**
150	**Panic**	**EVS-Source internal communication fail** • The internal cable mounted on the top of the RCL are disconnected • Reconnect the cable between the EVS unit and the RCL5301 internally • Internal failure in the RCL5301 module • Replace the RCL5301 module
151	**Panic**	**EVS mounting configuration wrong** • EVS mounting configuration wrong • Check the mounting configuration of the controller via CGW or Crane Manager
170	**Error**	**Remote control: receiver has internal error(s)** • The receiver has an internal error. • Wait and see, if the receiver automatically restarts. Otherwise, restart the receiver manually. • If this does not solve the problem, check the error code(s) on the Scanreco G2receiver for more detailed information. • If this does not solve the problem, go to manual mode by fast switching the switch to ‘Manual’ on the G2 receiver. • The crane can now be operated manually.
171	**Panic**	**Remote control: receiver is in an illegal state** • The G2 receiver has output related error(s). • Check the error code(s) on the Scanreco G2 receiver for more detailed information and instructions. • Remove the connectors one by one and reset the system to identify where the problem is located. • If this does not solve the problem, go to manual mode by fast switching the switch to ‘Manual’ on the G2 receiver.
172	**Error**	**Remote control: transmitter broken stop button** • Illegal signal from the transmitter stop button. • Check the stop button and replace it if necessary. • If this does not solve the problem, go to manual mode by fast switching the switch to ‘Manual’ on the G2 receiver.
173	**Error**	**Remote control: transmitter lever or joystick is active at startup** • Lever analogue input(s) active on start-up. • Ensure all analogue inputs on transmitter are at zero/neutral position. • Restart the transmitter.

174	**Error**	**Remote control: transmitter lever signal redundancy failed**
		• Transmitter lever signal redundancy failed
		  • The G2 receiver will self reset.
		  • Redundancy failed. Illegal signal from a lever analogue input on transmitter circuit board.
		  • Transmitter might have a general error. Diagnose the transmitter via TEST MODE.
		  • If this does not solve the problem, go to manual mode by fast switching the switch to ‘Manual’ on the G2 receiver.

175	**Error**	**Remote control: transmitter and receiver pairing failed**
		• Pairing failed
		  • The G2 receiver will self reset.
		  • ID-code and/or parameter settings not accepted. Retry pairing procedure and restart the system.
		  • If this does not solve the problem, go to manual mode by fast switching the switch to ‘Manual’ on the G2 receiver.

176	**Error**	**Remote control: power supply too low** • Power supply too low. • Check power supply and supply connections.
177	**Error**	**Remote control: power supply too high** • Power supply too high. • Check power supply and supply connections.

178	**Error**	**Remote control CAN BUS error**
		• Error in the CAN BUS has occurred
		  • Restart the remote control.
		  • Replace the remote control.

180	**Warning**	**CAN RC no radio communication** • There are no radio communication with the Remote control • Restart the remote control. Check the radio communication link

181	**Panic**	**CAN RC Startup**
		• The communication between the RCL and the remote control in initiating communication.
		  • Restart the remote control
		  • The remote control type configuration is not correct
		  • Check that the remote control type configuration is correct.
		  • The RCL software version is not correct
		  • Download the newest version of the RCL software.

182	**Panic**	**CAN RC Failure** • The communication between the RCL and the remote control in initiating communication. • Restart the remote control • The remote control type configuration is not correct • Check that the remote control type configuration is correct. • The RCL software version is not correct • Download the newest version of the RCL software. • The software in the remote is not correct • Download the correct software in the remote
183	**Panic**	**CAN RC EMC** • Emergency stop on the remote control have been pressed • Pull up the emergency stop on the remote control • The remote control type configuration is not correct • Check that the remote control type configuration is correct.
184	**Panic**	**CAN RC Wire security 1** • The wire security signal is not received • Check the wire connection from the remote control to the RCL530x • The input signal i not received on the correct input connector • Connect the input signal in the specified connector or reconfigure the connector in the RCL • Scanreco G2 • Check Error Code on Scanreco G2 receiver for more detailed information.
185	**Panic**	**CAN RC Wire security 2** • The wire security signal is short circuit at supply • Check the wire security connection between the RCL and the RC. If the RCL5300is connected to a Scanreco G2, an error code on the receiver might be shown. Check this for further information. • The input signal i not received on the correct input connector • Connect the input signal in the specified connector or reconfigure the connector in the RCL • Scanreco G2 • Check Error Code on Scanreco G2 receiver for more detailed information.
186	**Panic**	**CAN RC EMC run** • The emergency loop on the remote control is broken • Release the emergency button Check button and wiring
187	**Panic**	**CAN RC type not set or unknown** • The configured remote control type is unknown to the RCL software • Reconfigure the remote control type • The mounted remote control is unknown to the RCL • Check remote type. Check Remote software
191	**Panic**	**Module Length configuration error**

192	**Panic**	**Module timeout configuration error** • The RCL530xB processor is not receiving data from RCL530xA • Check the CAN communication and CAN terminations on CAN1 • No CAN bus communication with Scanreco Electronic box • Check power supply and/or can bus wiring to the Scanreco Electronic box
193	**Panic**	**Module generic configuration error** • Configuration of slave module failed. • Try to repower the system. If that does not solve the problem, try to check the remote control type.
194		**Module unknown configuration error** • Configuration of slave module failed. • Try to repower the system. If that does not solve the problem, try to check the remote control type.
195	**Panic**	**Module configuration length high** • Configuration of slave module failed. • Try to repower the system. If that does not solve the problem, try to check the remote control type. • The remote control type configuration is not correct • Check that the remote control type configuration is correct.
196	**Panic**	**Module configuration length low** • Configuration of slave module failed. • Try to repower the system. If that does not solve the problem, try to check the remote control type.
201	**Error**	**PVED: Slew valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
202	**Error**	**PVED: Boom valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
203	**Error**	**PVED: Jib valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
204	**Error**	**PVED: Extension valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
205	**Error**	**PVED: FlyJib valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module

206	**Error**	**PVED: FlyJib Extension valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
207	**Error**	**PVED: Winch valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
208	**Error**	**PVED: Rotator valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
209	**Error**	**PVED: Grab valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
210	**Error**	**PVED: CRAUX1 valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
211	**Error**	**PVED: CRAUX2 valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
212	**Error**	**PVED: CRAUX3 valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
213	**Error**	**PVED: CRAUX4 valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
214	**Error**	**PVED: Dmp2 valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
215	**Error**	**PVED: Dmp1 valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
216	**Error**	**PVED: Winch Park valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module

217	**Error**	**PVED: BB Main valve error** • PVED: valve has an error. • Repower the system • Replace the PVED module
218	**Error**	**PVED: Stab valve dir error** • PVED: valve has an error. • Repower the system • Replace the PVED module
221	**Panic**	**PVED: internal error** • Internal error in Danfoss PVED • Replace the Danfoss PVED: module
222	**Panic**	**PVED: Internal error** • Internal error in Danfoss PVED • Replace the Danfoss PVED: module
223	**Panic**	**PVED: configuration error** • Software configuration error in Danfoss PVED • Check software configuration in Danfoss PVED. Download standard configuration
224	**Panic**	**PVED: Power supply error.** • Supply voltage to Danfoss PVED: is to low or to high • Check supply voltage to Danfoss PVED.
225	**Error**	**PVED: Spool position error** • Spool position in Danfoss PVED: is not the expected • Check that the spool is in neutral position Repower Danfoss PVED • Spool data in PVED: not correct • Update spool data in PVED: valve
226	**Panic**	**PVED: Spool stuck in neutral** • There are no oil pressure to make the PVED: valve move from neutral • Check that there are oil pressure to the system.
227	**Panic**	**PVED: Spool set point and actual position difference** • The desired spool position is not the expected. • Check if the spool position is limited or stuck. Replace PVED: valve. • Curve/Slope configuration in PVED: valve different the curve 1 • Change both Curve A and Curve B to curve 1 in PVED: valve, via the CGW5355.
228	**Panic**	**PVED: communication error** • The RCL cannot communicate with the module • Check the PVED: status LED Check power supply to the module. Check ignition to the module.... Check can bus connection to the module. • PVED: valve produced before week 26/2008 and mounted without redundant cable. • Fit a redundant cable set. • PVED: valve produced before week 26/2008 and mounted with a redundant cable set. • Contact IMT technical support for assistance.

232	**Panic**	**PVED: Calibration error** • Calibration flag not set in Danfoss PVED: module • Replace the Danfoss PVED: module
251	**Warning**	**Left crane stabilizer is not down** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.
252	**Warning**	**Left crane stabilizer is not out** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.
253	**Warning**	**Right crane stabilizer is not down** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.

254	**Warning**	**Right crane stabilizer is not out** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.
255	**Warning**	**Left extra stabilizer is not down** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.
256	**Warning**	**Left extra stabilizer is not out** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.

257	**Warning**	**Right extra stabilizer is not down** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.
258	**Warning**	**Right extra stabilizer is not out** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.
261	**Warning**	**Sensor redundancy error for left crane stabilizer down** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.

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262	**Warning**	**Sensor redundancy error for left crane stabilizer out** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.
263		**Sensor redundancy error for right crane stabilizer down** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.
264	**Warning**	**Sensor redundancy error for right crane stabilizer out** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.

265	**Warning**	**Sensor redundancy error for left extra stabilizer down** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.
266		**Sensor redundancy error for left extra stabilizer out** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.
267	**Warning**	**Sensor redundancy error for right extra stabilizer down** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature ‘Stab Safety System’ is not configured correct • Check setup of the feature.

268	**Warning**	**Sensor redundancy error for right extra stabilizer out** • Signal is not correct • Check if the voltage supply to the proximity switch, magnetic switch is OK. Measure voltage, check the LED – if the switch has one - when the switch is activated. Measure the signal from the switch inside RCL5300 and/or CIO5376 • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature 'Stab Safety System' is not configured correct • Check setup of the feature.
271	**Warning**	**PAS signal error** • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature 'Stab Safety System' is not configured correct • Check setup of the feature.
272	**Warning**	**PAS signal redundancy error** • Cable or connector is damaged • Change or repair cable or connector • Other • Check input terminals (signal input) in RCL5300 and/or CIO5376 Scan Network via CGW – is CIO5376 available? Are inputs configured? • The Feature 'Stab Safety System' is not configured correct • Check setup of the feature.
273	**Error**	**Crew Lift (signal) and Crew Level (signal) error** • Signal is not correct, reasons: • RCL is in crew lift mode and crew level is illegal • RCL is in crane mode and crew level is legal • Crew Lift sensor and/or Crew Level sensor signal is wrong
274	**Warning**	**Crew Lift is missing a redundant inclinometer** • Crew lift is not allowed without a redundant inclinometer • Check the cable connection to inclinometer • Check that the inclinometer is redundant • Replace inclinometer
279	**Unde-finable**	**SSO error** • SSO has been active
280	**Error**	**PVED Series 5 - Valve Slew Error** • The Danfoss Series 5 Valve is sending an error • Use the extra-error to see what the cause is. • 00 --- Software Initialization fault

280	**Error**	01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload

280	**Error**	39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
281	**Error**	**PVED Series 5 - Valve Boom Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range

281	**Error**	16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault

281	**Error**	54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
282	**Error**	**PVED Series 5 - Valve Jib Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. Use the extra-error to see what the cause is. 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault

282	**Error**	22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period

282	**Error**	60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
283	**Error**	**PVED Series 5 - Valve Extension Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault

283	**Error**	35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
284	**Error**	**PVED Series 5 - Valve Flyjib Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range

284	**Error**	12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection

284	**Error**	50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
285	**Error**	**PVED Series 5 - Valve Flyjib Extension Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. • 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling

285	**Error**	27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
286	**Error**	**PVED Series 5 - Valve Winch Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit

286	**Error**	05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral

286	**Error**	43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
287	**Error**	**PVED Series 5 - Valve Rotator Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault

287	**Error**	20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation

287	**Error**	58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
288	**Error**	**PVED Series 5 - Valve Grab Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. • 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault

288	**Error**	35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
289	**Error**	**PVED Series 5 - Valve Crane Aux 1 Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. • 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range

289	**Error**	11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault

289	**Error**	49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
290	**Error**	**PVED Series 5 - Valve Crane Aux 2 Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. • 00 --- Software Initialization fault • 01 --- Internal calculation fault • 02 --- Parameter truncation change • 03 --- Interpolation fault • 04 --- Supply voltage above upper limit • 05 --- Supply voltage below lower limit • 06 --- 5V PSU out of range • 07 --- Spool position calculation fault • 08 --- 5V reference signal out of range • 09 --- GND signal unstable • 10 --- Demodulator A: signal out of range • 11 --- Demodulator B: signal out of range • 12 --- Handshake not received by safe UC • 13 --- Transducer signal frequency out of range • 14 --- Safety demodulator A: signal out of range • 15 --- Safety demodulator B: signal out of range • 16 --- Safety-controller PSU out of range • 17 --- Safety-controller: voltage reference out of range • 18 --- Safety-controller fuse bit fault • 19 --- Safety-controller spool position cross validation fault • 20 --- Safety switch state fault • 21 --- Safety-controller initialization fault • 22 --- Safety switch status fault • 23 --- Handshake not received by main UC • 24 --- Handshake boot up fault • 25 --- POST fault

290	**Error**	26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
291	**Error**	**PVED Series 5 - Valve Crane Aux 3 Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. • 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change

291	**Error**	03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit

290	**Error**	41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
291	**Error**	**PVED Series 5 - Valve Crane Aux 3 Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. • 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range

291	**Error**	16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault

291	**Error**	54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
292	**Error**	**PVED Series 5 - Valve Crane Aux 4 Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. • 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault

292	**Error**	28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
293	**Error**	**PVED Series 5 - Valve Dump 2 Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. • 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit

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293	**Error**	05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral

293	**Error**	43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
294	**Error**	**PVED Series 5 - Valve Dump 1 Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. • 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault

294	**Error**	20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation

294	**Error**	58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
295	**Error**	**PVED Series 5 - Valve Winch Park Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. • 00 --- Software Initialization fault • 01 --- Internal calculation fault • 02 --- Parameter truncation change • 03 --- Interpolation fault • 04 --- Supply voltage above upper limit • 05 --- Supply voltage below lower limit • 06 --- 5V PSU out of range • 07 --- Spool position calculation fault • 08 --- 5V reference signal out of range • 09 --- GND signal unstable • 10 --- Demodulator A: signal out of range • 11 --- Demodulator B: signal out of range • 12 --- Handshake not received by safe UC • 13 --- Transducer signal frequency out of range • 14 --- Safety demodulator A: signal out of range • 15 --- Safety demodulator B: signal out of range • 16 --- Safety-controller PSU out of range • 17 --- Safety-controller: voltage reference out of range • 18 --- Safety-controller fuse bit fault • 19 --- Safety-controller spool position cross validation fault • 20 --- Safety switch state fault • 21 --- Safety-controller initialization fault • 22 --- Safety switch status fault • 23 --- Handshake not received by main UC • 24 --- Handshake boot up fault • 25 --- POST fault • 26 --- Safety controller task scheduling • 27 --- Spool position cross validation fault • 28 --- Memory (RAM) corrupted • 29 --- Memory (EEPROM) invalid parameter • 30 --- Memory (Flash) corrupted • 31 --- SPI communication fault • 32 --- Fault overload • 33 --- PWM calibration • 34 --- Memory (EEPROM) communication fault

295	**Error**	35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
296	**Error**	**PVED Series 5 - Valve Bodybuilder Main Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. • 00 --- Software Initialization fault • 01 --- Internal calculation fault • 02 --- Parameter truncation change • 03 --- Interpolation fault • 04 --- Supply voltage above upper limit • 05 --- Supply voltage below lower limit • 06 --- 5V PSU out of range • 07 --- Spool position calculation fault • 08 --- 5V reference signal out of range • 09 --- GND signal unstable • 10 --- Demodulator A: signal out of range • 11 --- Demodulator B: signal out of range

296	**Error**	12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault 26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection

296	**Error**	50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
297	**Error**	**PVED Series 5 - Valve Stab Dir Error** • The Danfoss Series 5 Valve is sending an error Use the extra-error to see what the cause is. • 00 --- Software Initialization fault 01 --- Internal calculation fault 02 --- Parameter truncation change 03 --- Interpolation fault 04 --- Supply voltage above upper limit 05 --- Supply voltage below lower limit 06 --- 5V PSU out of range 07 --- Spool position calculation fault 08 --- 5V reference signal out of range 09 --- GND signal unstable 10 --- Demodulator A: signal out of range 11 --- Demodulator B: signal out of range 12 --- Handshake not received by safe UC 13 --- Transducer signal frequency out of range 14 --- Safety demodulator A: signal out of range 15 --- Safety demodulator B: signal out of range 16 --- Safety-controller PSU out of range 17 --- Safety-controller: voltage reference out of range 18 --- Safety-controller fuse bit fault 19 --- Safety-controller spool position cross validation fault 20 --- Safety switch state fault 21 --- Safety-controller initialization fault 22 --- Safety switch status fault 23 --- Handshake not received by main UC 24 --- Handshake boot up fault 25 --- POST fault

297	**Error**	26 --- Safety controller task scheduling 27 --- Spool position cross validation fault 28 --- Memory (RAM) corrupted 29 --- Memory (EEPROM) invalid parameter 30 --- Memory (Flash) corrupted 31 --- SPI communication fault 32 --- Fault overload 33 --- PWM calibration 34 --- Memory (EEPROM) communication fault 35 --- PSM operation fault 36 --- Config sector CRC fault 37 --- Diagnostic sector CRC fault 38 --- PSM buff er overload 39 --- Average operating temp above limit 40 --- Current temp above upper limit 41 --- Current temp below lower limit 42 --- Main spool cannot return to neutral 43 --- Float not reached 44 --- Main spool not in neutral at boot up 45 --- Actual main spool position exceeds set point received 46 --- Transducer signal frequency out of range 47 --- SPI buff er overload 48 --- SPI communication fault 49 --- Loss and recovery of CAN bus connection 50 --- Flow command not received within timeout period 51 --- Safety switch status fault 52 --- Float threshold set point not given 53 --- Solenoid driver validation fault 54 --- Stack usage >90% 55 --- CRC fault 56 --- Invalid hardware version 57 --- COMM: running number validation 58 --- Corrupted data received by Inlet actuator 59 --- TPDO from Work Function actuator not received within timeout period 60 --- RPDO received invalid 61 --- RPDO not received within timeout period 62 --- EMCY Received from master
300	**Warning**	**Input Surveillance: Analog signal is missing** • Check the cable connection to the module defined by the alternative error • IDs: 1: Flyjib Angle 180 2: X Inclination

300	**Warning**	3: Y Inclination 4: Main Pressure 5: Main Compensation 6: Flyjib Pressure 7: Flyjib Compensation 8: Winch Pressure 9: Safefold 10: Front Stab 11: Oil Temp 12: Ext Limitation 13: Slew Angle 14: Slew Angle Double 15: Gen AI 16: Wire Length Encoder 17: Angle Boom 360 18: Angle Jib 360 19: Angle Winch Park 360 20: Flyjib Angle 360 21: Angle Boom 180 22: Angle Jib 180 23: Angle Winch Park 180 24: X Inclination Gravitational 25: Y Inclination Gravitational 34: Inclination Crane Direction (X Inclination & Slew Angle) 35: Angle Flyjib Compensated (Flyjib Angle 180 & X Inclination & Slew Angle) 36: Angle Boom Compensated (Angle Boom 180 & X Inclination & Slew Angle) 37: Angle Jib Compensated (Angle Jib 180 & X Inclination & Slew Angle) 38: Angle Flyjib Compensated (Angle Flyjib 360 & X Inclination & Slew Angle) 39: Angle Boom Compensated (Angle Boom 360 & X Inclination & Slew Angle) 40: Angle Jib Compensated (Angle Jib 360 & X Inclination & Slew Angle)
301	**Error**	**Input Surveillance: Analog signal is missing** • Check the cable connection to the module defined by the alternative error • IDs: 1: Flyjib Angle 180 2: X Inclination 3: Y Inclination 4: Main Pressure 5: Main Compensation 6: Flyjib Pressure 7: Flyjib Compensation 8: Winch Pressure 9: Safefold 10: Front Stab

301	**Error**	11: Oil Temp 12: Ext Limitation 13: Slew Angle 14: Slew Angle Double 15: Gen AI 16: Wire Length Encoder 17: Angle Boom 360 18: Angle Jib 360 19: Angle Winch Park 360 20: Flyjib Angle 360 21: Angle Boom 180 22: Angle Jib 180 23: Angle Winch Park 180 24: X Inclination Gravitational 25: Y Inclination Gravitational 34: Inclination Crane Direction (X Inclination & Slew Angle) 35: Angle Flyjib Compensated (Flyjib Angle 180 & X Inclination & Slew Angle) 36: Angle Boom Compensated (Angle Boom 180 & X Inclination & Slew Angle) 37: Angle Jib Compensated (Angle Jib 180 & X Inclination & Slew Angle) 38: Angle Flyjib Compensated (Angle Flyjib 360 & X Inclination & Slew Angle) 39: Angle Boom Compensated (Angle Boom 360 & X Inclination & Slew Angle) 40: Angle Jib Compensated (Angle Jib 360 & X Inclination & Slew Angle)
302	**Panic**	**Input Surveillance: Analog signal is missing** • Check the cable connection to the module defined by the alternative error • IDs: 1: Flyjib Angle 180 2: X Inclination 3: Y Inclination 4: Main Pressure 5: Main Compensation 6: Flyjib Pressure 7: Flyjib Compensation 8: Winch Pressure 9: Safefold 10: Front Stab 11: Oil Temp 12: Ext Limitation 13: Slew Angle 14: Slew Angle Double 15: Gen AI 16: Wire Length Encoder 17: Angle Boom 360 18: Angle Jib 360

302	**Error**	19: Angle Winch Park 360 20: Flyjib Angle 360 21: Angle Boom 180 22: Angle Jib 180 23: Angle Winch Park 180 24: X Inclination Gravitational 25: Y Inclination Gravitational 34: Inclination Crane Direction (X Inclination & Slew Angle) 35: Angle Flyjib Compensated (Flyjib Angle 180 & X Inclination & Slew Angle) 36: Angle Boom Compensated (Angle Boom 180 & X Inclination & Slew Angle) 37: Angle Jib Compensated (Angle Jib 180 & X Inclination & Slew Angle) 38: Angle Flyjib Compensated (Angle Flyjib 360 & X Inclination & Slew Angle) 39: Angle Boom Compensated (Angle Boom 360 & X Inclination & Slew Angle) 40: Angle Jib Compensated (Angle Jib 360 & X Inclination & Slew Angle)
303	**Warning**	**Input Surveillance: Redundant analog signal is missing** • Check if the sensor is a redundant sensor. • IDs: 2: X Inclination Redundant 3: Y Inclination Redundant 4: Main Pressure 2 6: Flyjib Pressure 2 8: Winch Pressure 2 13: Slew Angle 2 14: Slew Angle Double 2 24: X Inclination Gravitational Redundant 25: Y Inclination Gravitational Redundant 34: X Inclination Redundant & Slew Angle 2 35: X Inclination Redundant & Slew Angle 2 36: X Inclination Redundant & Slew Angle 2 37: X Inclination Redundant & Slew Angle 2 38: X Inclination Redundant & Slew Angle 2 39: X Inclination Redundant & Slew Angle 2 40: X Inclination Redundant & Slew Angle 2
304	**Error**	**Input Surveillance: Redundant analog signal is missing** • Check if the sensor is a redundant sensor. • IDs: 2: X Inclination Redundant 3: Y Inclination Redundant 4: Main Pressure 2 6: Flyjib Pressure 2 8: Winch Pressure 2 13: Slew Angle 2 14: Slew Angle Double 2

304	**Error**	24: X Inclination Gravitational Redundant 25: Y Inclination Gravitational Redundant 34: X Inclination Redundant & Slew Angle 2 35: X Inclination Redundant & Slew Angle 2 36: X Inclination Redundant & Slew Angle 2 37: X Inclination Redundant & Slew Angle 2 38: X Inclination Redundant & Slew Angle 2 39: X Inclination Redundant & Slew Angle 2 40: X Inclination Redundant & Slew Angle 2
305	**Panic**	**Input Surveillance: Redundant analog signal is missing** • Check if the sensor is a redundant sensor. • IDs: 2: X Inclination Redundant 3: Y Inclination Redundant 4: Main Pressure 2 6: Flyjib Pressure 2 8: Winch Pressure 2 13: Slew Angle 2 14: Slew Angle Double 2 24: X Inclination Gravitational Redundant 25: Y Inclination Gravitational Redundant 34: X Inclination Redundant & Slew Angle 2 35: X Inclination Redundant & Slew Angle 2 36: X Inclination Redundant & Slew Angle 2 37: X Inclination Redundant & Slew Angle 2 38: X Inclination Redundant & Slew Angle 2 39: X Inclination Redundant & Slew Angle 2 40: X Inclination Redundant & Slew Angle 2
306	**Warning**	**Input Surveillance: Digital signal is missing** • Set the signal to a desired module with the CGW. • Signals: 1: Boom horz 2: Jib horz 3: Fly-Jib horz 4: Jib vert 5: Wire sec 6: FSlew 2LMB (T) 7: Slew HS left (S) 8: HS active left 9: Stab act but 10: Key derate 11: Winch drag 12: Winch ease 1

306	**Warning**	13: Winch ease 2 14: Winch park 15: Winch FJ bypass 16: StabSecBut 17: Stab right act 18: Stab left act 19: Stab aux 1 20: Stab aux 2 21: EVS CBS (C) 22: Crew lift 23: Crew level 24: PVSK dump 25: PVSK shift 26: Stab out 27: Stab down 28: Sec switch 29: Tilt Fj Vert 30: Slew Boom Angle 31: Slew Jib Angle 32: Slew HS right (D) 33: HS active right 34: RC locked 35: Safefold 36: Ceiling Pro. 37: Boom Block 38: Boom Straight 39: Soft Stop 40: Soft Slow Left 41: Soft Slow Right 42: CBS II 43: Red Button 44: Yellow Button 45: Green Button 46: Blue Button 47: Regeneration 48: Horn 49: Light 50: Ext In

306	**Warning**	51: FJ Ext In 52: Slew Cal I 53: Slew Cal II 54: SRL Control 55: Mooring 56: Auto Fold
307	**Error**	**Input Surveillance: Digital signal is missing** • Set the signal to a desired module with the CGW. • Signals: 1: Boom horz 2: Jib horz 3: Fly-Jib horz 4: Jib vert 5: Wire sec 6: FSlew 2LMB (T) 7: Slew HS left (S) 8: HS active left 9: Stab act but 10: Key derate 11: Winch drag 12: Winch ease 1 13: Winch ease 2 14: Winch park 15: Winch FJ bypass 16: StabSecBut 17: Stab right act 18: Stab left act 19: Stab aux 1 20: Stab aux 2 21: EVS CBS (C) 22: Crew lift 23: Crew level 24: PVSK dump 25: PVSK shift 26: Stab out 27: Stab down 28: Sec switch 29: Tilt Fj Vert 30: Slew Boom Angle 31: Slew Jib Angle 32: Slew HS right (D) 33: HS active right 34: RC locked

307	**Error**	35: Safefold 36: Ceiling Pro. 37: Boom Block 38: Boom Straight 39: Soft Stop 40: Soft Slow Left 41: Soft Slow Right 42: CBS II 43: Red Button 44: Yellow Button 45: Green Button 46: Blue Button 47: Regeneration 48: Horn 49: Light 50: Ext In 51: FJ Ext In 52: Slew Cal I 53: Slew Cal II 54: SRL Control 55: Mooring 56: Auto Fold
308	**Panic**	**Input Surveillance: Digital signal is missing** • Set the signal to a desired module with the CGW. • Signals: 1: Boom horz 2: Jib horz 3: Fly-Jib horz 4: Jib vert 5: Wire sec 6: FSlew 2LMB (T) 7: Slew HS left (S) 8: HS active left 9: Stab act but 10: Key derate 11: Winch drag 12: Winch ease 1 13: Winch ease 2 14: Winch park 15: Winch FJ bypass 16: StabSecBut 17: Stab right act 18: Stab left act

308	**Panic**	19: Stab aux 1 20: Stab aux 2 21: EVS CBS (C) 22: Crew lift 23: Crew level 24: PVSK dump 25: PVSK shift 26: Stab out 27: Stab down 28: Sec switch 29: Tilt Fj Vert 30: Slew Boom Angle 31: Slew Jib Angle 32: Slew HS right (D) 33: HS active right 34: RC locked 35: Safefold 36: Ceiling Pro. 37: Boom Block 38: Boom Straight 39: Soft Stop 40: Soft Slow Left 41: Soft Slow Right 42: CBS II 43: Red Button 44: Yellow Button 45: Green Button 46: Blue Button 47: Regeneration 48: Horn 49: Light 50: Ext In 51: FJ Ext In 52: Slew Cal I 53: Slew Cal II 54: SRL Control 55: Mooring 56: Auto Fold
309	**Warning**	**Input Surveillance: Valve signal is missing** • Set the signal to a desired module with the CGW. • Signals: 1: Slew CW 2: Slew CCW 3: Boom down

309	**Warning**	4: Boom up 5: Jib up 6: Jib down 7: Ext out 8: Ext in 9: Fly-Jib Up 10: Fly-Jib Down 11: FJExt Out 12: FJExt In 13: Winch Ease 14: Winch Drag 15: Rotator CW 16: Rotator CCW 17: Grab Close 18: Grab Open
310	**Error**	**Input Surveillance: Valve signal is missing** • Set the signal to a desired module with the CGW. • Signals: 1: Slew CW 2: Slew CCW 3: Boom down 4: Boom up 5: Jib up 6: Jib down 7: Ext out 8: Ext in 9: Fly-Jib Up 10: Fly-Jib Down 11: FJExt Out 12: FJExt In 13: Winch Ease 14: Winch Drag 15: Rotator CW 16: Rotator CCW 17: Grab Close 18: Grab Open
311	**Panic**	**Input Surveillance: Valve signal is missing** • Set the signal to a desired module with the CGW. • Signals: 1: Slew CW 2: Slew CCW 3: Boom down 4: Boom up

311	**Panic**	5: Jib up 6: Jib down 7: Ext out 8: Ext in 9: Fly-Jib Up 10: Fly-Jib Down 11: FJExt Out 12: FJExt In 13: Winch Ease 14: Winch Drag 15: Rotator CW 16: Rotator CCW 17: Grab Close 18: Grab Open
312	**Warning**	**Input Surveillance: Stab signal is missing** • Set the signal to a desired module with the CGW. • Signals: 1: Left down 2: Not Left down 3: Left out 4: Not Left out 5: Right down 6: Not Right down 7: Right out 8: Not Right out 9: Ext Left down 10: Ext Not Left down 11: Ext Left out 12: Ext Not Left out 13: Ext Right down 14: Ext Not Right down 15: Ext Right out 16: Ext Not Right out 17: Pas OK 18: Not Pas OK 19: EVS or CY(BE)L 20: Left Side (L) 21: Right Side (R) 22: Stb Left Locked 23: Stb Right Locked 24: Left partly out 25: Right partly out 26: Ext Left partly out

312	**Warning**	27: Ext Right partly out
313	**Error**	**Input Surveillance: Stab signal is missing** • Set the signal to a desired module with the CGW. • Signals: 1: Left down 2: Not Left down 3: Left out 4: Not Left out 5: Right down 6: Not Right down 7: Right out 8: Not Right out 9: Ext Left down 10: Ext Not Left down 11: Ext Left out 12: Ext Not Left out 13: Ext Right down 14: Ext Not Right down 15: Ext Right out 16: Ext Not Right out 17: Pas OK 18: Not Pas OK 19: EVS or CY(BE)L 20: Left Side (L) 21: Right Side (R) 22: Stb Left Locked 23: Stb Right Locked 24: Left partly out 25: Right partly out 26: Ext Left partly out 27: Ext Right partly out
314	**Panic**	**Input Surveillance: Stab signal is missing** • Set the signal to a desired module with the CGW. • Signals: 1: Left down 2: Not Left down 3: Left out 4: Not Left out 5: Right down 6: Not Right down 7: Right out 8: Not Right out 9: Ext Left down

314	**Panic**	10: Ext Not Left down 11: Ext Left out 12: Ext Not Left out 13: Ext Right down 14: Ext Not Right down 15: Ext Right out 16: Ext Not Right out 17: Pas OK 18: Not Pas OK 19: EVS or CY(BE)L 20: Left Side (L) 21: Right Side (R) 22: Stb Left Locked 23: Stb Right Locked 24: Left partly out 25: Right partly out 26: Ext Left partly out 27: Ext Right partly out
315	**Warning**	**Input Surveillance: Analog signal is not calibrated** • Calibrate the signal/module with the CGW • IDs: 1: Flyjib Angle 180 2: X Inclination 3: Y Inclination 4: Main Pressure 5: Main Compensation 6: Flyjib Pressure 7: Flyjib Compensation 8: Winch Pressure 9: Safefold 10: Front Stab 11: Oil Temp 12: Ext Limitation 13: Slew Angle 14: Slew Angle Double 15: Gen AI 16: Wire Length Encoder 17: Angle Boom 360 18: Angle Jib 360 19: Angle Winch Park 360 20: Flyjib Angle 360 21: Angle Boom 180 22: Angle Jib 180

315	**Warning**	23: Angle Winch Park 180 24: X Inclination Gravitational 25: Y Inclination Gravitational 34: Inclination Crane Direction (X Inclination & Slew Angle) 35: Angle Flyjib Compensated (Flyjib Angle 180 & X Inclination & Slew Angle) 36: Angle Boom Compensated (Angle Boom 180 & X Inclination & Slew Angle) 37: Angle Jib Compensated (Angle Jib 180 & X Inclination & Slew Angle) 38: Angle Flyjib Compensated (Angle Flyjib 360 & X Inclination & Slew Angle) 39: Angle Boom Compensated (Angle Boom 360 & X Inclination & Slew Angle) 40: Angle Jib Compensated (Angle Jib 360 & X Inclination & Slew Angle)
316	**Warning**	**Input Surveillance: Redundant analog signal is not calibrated** • Calibrate the redundant signal/module with the CGW • IDs: 2: X Inclination Redundant 3: Y Inclination Redundant 4: Main Pressure 2 6: Flyjib Pressure 2 8: Winch Pressure 2 13: Slew Angle 2 14: Slew Angle Double 2 24: X Inclination Gravitational Redundant 25: Y Inclination Gravitational Redundant 34: X Inclination Redundant & Slew Angle 2 35: X Inclination Redundant & Slew Angle 2 36: X Inclination Redundant & Slew Angle 2 37: X Inclination Redundant & Slew Angle 2 38: X Inclination Redundant & Slew Angle 2 39: X Inclination Redundant & Slew Angle 2 40: X Inclination Redundant & Slew Angle 2
397	**Panic**	**Valve block pressure too low** • Check Pump channel cable
398	**Panic**	**Valve block pressure too high** • Check Pump channel cable
399	**Panic**	**Valve block has exceeded 30 bar** • Check Pump channel cable

401	**Panic/ Waning**	**Multiple descriptions available** **• Software 57_47 and below: Pressure difference, MP2>MP1.** **• Software 60_50 and up: Pressure difference between MP1 and MP2 is too high.** • The highest signal is used by the RCL 5300. If the signal difference between the highest and lowest signal exceeds the fixed value, this error message will occur. • Check the cable connection and the plug and socket-outlet for the two transducers. • Change the defective component.
402	**Panic**	**Pressure difference, MP1>MP2.** • The highest signal is used by the RCL 5300. If the signal difference between the highest and lowest signal exceeds the fixed value, this error message will occur. • Check the cable connection and the plug and socket-outlet for the two transducers. • Change the defective component.
407	**Panic/ Warning**	**Multiple descriptions available** • **Software 57_47 and below: Pressure difference, FJP1>FJP2.** • **Software 60_50 and up: Pressure difference between FJP1 and FJP2 is too high.** • The highest signal is used by the RCL 5300. If the signal difference between the highest and lowest signal exceeds the fixed value, this error message will occur. • Check the cable connection and the plug and socket-outlet for the two transducers. • Change the defective component.
408	**Panic**	**Pressure difference FJP2>FJP1.** • The highest signal is used by the RCL 5300. If the signal difference between the highest and lowest signal exceeds the fixed value, this error message will occur. • Check the cable connection and the plug and socket-outlet for the two transducers. • Change the defective component.
411	**Panic/ Warning**	**Multiple descriptions available** • **Software 57_47 and below: Pressure difference, WP1>WP2.** • **Software 60_50 and up: Pressure difference between WP1 and WP2 is too high.** • The highest signal is used by the RCL 5300. If the signal difference between the highest and lowest signal exceeds the fixed value, this error message will occur. • Check the cable connection and the plug and socket-outlet for the two transducers. • Change the defective component.
412	**Panic**	**Pressure difference, WP2>WP1.** • The highest signal is used by the RCL 5300. If the signal difference between the highest and lowest signal exceeds the fixed value, this error message will occur. • Check the cable connection and the plug and socket-outlet for the two transducers. • Change the defective component.

413	**Warning**	**Slew sensor input difference too large.**
		• Too large difference between the two transducers in the redundant slew sensor.
		  • Recalibrate the slew sensor, or…
		  • Replace the slew sensor.

415	**Warning**	**'Auto Winch Park' system is missing an input**
		• One or more sensors required by the 'Auto Winch Park' system is missing
		  • By holding the red/unlock button the first missing sensor ID is shown
		  • Check connection

416	**Error**	**ECT5420 1 button error.**
		• One or several ECT5420 1 panel buttons are stuck.
		  • Repower the ECT5420.
		  • Release all ECT5420 buttons.
		  • Dry the panel.
		  • Check for water on the inside of the ECT5420.
		  • Check the panel input cables on the inside of the ECT5420.
		  • Replace ECT5420 front panel.
		  • Replace ECT5420.
		  • Press and hold red button to see id of button(s) that are stuck.
		  • IDs
		  1: Red button stuck
		  2: Yellow button stuck
		  3: Red and yellow buttons stuck
		  4: Green button stuck
		  5: Green and red button stuck
		  6: Green and yellow buttons stuck
		  7: Green, red and yellow buttons stuck
		  8: Blue button stuck
		  9: Blue and red buttons stuck
		  10: Blue and yellow buttons stuck
		  11: Blue, red and yellow buttons stuck
		  12: Blue and green buttons stuck
		  13: Blue, green and red buttons stuck
		  14: Blue, green and yellow buttons stuck
		  15: All buttons stuck

417	**Error**	**ECT5420 2 button error.** • One or several ECT5420 2 panel buttons are stuck. • Repower the ECT5420. • Release all ECT5420 buttons. • Dry the panel. • Check for water on the inside of the ECT5420. • Check the panel input cables on the inside of the ECT5420. • Replace ECT5420 front panel. • Replace ECT5420. • Press and hold red button to see id of button(s) that are stuck. • IDs 1: Red button stuck 2: Yellow button stuck 3: Red and yellow buttons stuck 4: Green button stuck 5: Green and red button stuck 6: Green and yellow buttons stuck
417	**Error**	• 7: Green, red and yellow buttons stuck • 8: Blue button stuck • 9: Blue and red buttons stuck • 10: Blue and yellow buttons stuck • 11: Blue, red and yellow buttons stuck • 12: Blue and green buttons stuck • 13: Blue, green and red buttons stuck • 14: Blue, green and yellow buttons stuck • 15: All buttons stuck

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418	**Error**	**ECT5420 3 button error.** • One or several ECT5420 3 panel buttons are stuck. • Repower the ECT5420. • Release all ECT5420 buttons. • Dry the panel. • Check for water on the inside of the ECT5420. • Check the panel input cables on the inside of the ECT5420. • Replace ECT5420 front panel. • Replace ECT5420. • Press and hold red button to see id of button(s) that are stuck. • IDs 1: Red button stuck 2: Yellow button stuck 3: Red and yellow buttons stuck 4: Green button stuck 5: Green and red button stuck 6: Green and yellow buttons stuck 7: Green, red and yellow buttons stuck 8: Blue button stuck 9: Blue and red buttons stuck 10: Blue and yellow buttons stuck 11: Blue, red and yellow buttons stuck 12: Blue and green buttons stuck 13: Blue, green and red buttons stuck 14: Blue, green and yellow buttons stuck 15: All buttons stuck
419	**Warning**	**Slew sensor diagnostic error** • The slew sensor either failed learn-in or the diagnostic signal is out of range • Recalibrate the slew sensor, or check if sensor is faulty • 1: Diagnostic error 2: Learn-in error
420	**Error**	**Angle sensor redundant check error** • The primary and redundant signals for the angle sensor on either boom or jib differs with more than 2 degree • Check sensor and replace if faulty
442	**Warning**	**Pressure difference FJC1 > FJC2** • Fixed value; this error message will occur.
450	**Panic/ Warning**	**EVS X-axis input difference too large** • EVS Input sensor difference • Do a factory calibration of the EVS

451	**Panic/ Warning**	**EVS Y-axis input difference too large** • EVS Input sensor difference • Do a factory calibration of the EVS
452	**Panic**	**EVS has been chosen without an inclinometer mounted** • Please select an inclinometer.
453	**Panic**	**Crew lift has been chosen without an having an additional inclinometer mounted inclinometer** • Please add a redundant
454	**Panic**	**Error log is full** • To clear the error log press the red and the yellow button continuously for 10 seconds
455	**Panic**	**Your EVS settings looks wrong** • A dead load margin or a max margin will give a very restrictive system
456	**Warning**	**Invalid input configuration.** • An input config is configured to be on a module, that is not there on the Can bus. • Check the input configuration.

460	**Panic**	**High pressure level, MCP1**
		• The compensation pressure (MCP1) is too high during a “boom up”-movement.
		  • Hold down the red press button on the RCL 5300 indicator panel, while activating the "boom down”-function and then “boom up" again. The error is thus reset.
		  • Check the signal from the pressure transducer.
		  • Change the pressure transducer.

461	**Error**	**Compensation pressure too high during lift operation** • If Compensation pressure is higher than expected by the system during a lifting operation • Press RCL red button and try to lower again while holding red pressed. Check signal from transducer. Replace transducer.
462	**Error**	**Compensation pressure too low during lower operation** • If compensation pressure is lower than expected by the system during af lowering operation • Press RCL red button and try to lower again while holding red pressed. Check signal from transducer. Replace transducer.

463	**Panic**	**Low pressure level, FJCP1**
		• The compensation pressure (FJCP1) is too low during a “boom up”-movement.
		  • Hold down the red press button on the RCL 5300 indicator panel, while activating the "Fly-Jib up”-function and then “Fly-Jib down" again. This is how to reset the error.
		  • Check the signal from the pressure transducer.
		  • Change the pressure transducer.

466	**Error**	**Main pressure fixed** • Main pressure transducer fixed in signal when moving boom function • Check transducer... signal • Pressure transducer not mounted correctly • Check mounting of transducer • Boom valve sensor error. Deployed electrically, when valve in neutral. • Fix boom valve sensor input.
467	**Panic**	**FlyJib pressure fixed** • Fly jib pressure fixed in signal when moving fly jib -jib • Check transducer.. signal • Pressure transducers not mounted correct • Check mounting of transducers
476	**Panic**	**Pump pressure fixed below 50 bar** • Pump pressure do not rise above 50 bar during pump check. • Press RCL red button, and run check again. Check pump pressure. Check dump valves Check signal from PP-transducer. Replace transducer..
477	**Panic**	**Multiple descriptions available** • **•Software 57_47 and below: Pump pressure fixed above 50 bar.** • **•Software 60_50 and up: Crane has moved in stabilizer mode.** • Multiple descriptions available • (Software 57_47 and below): Press RCL red button, and run check again • (Software 57_47 and below): Check pump pressure • (Software 57_47 and below): Check dump valves Check signal from PP-transducer • (Software 57_47 and below): Replace transducer • (Software 60_50 and up): A crane valve is being controlled while in stabilizer mode. Try to release handles/levers controlling crane functions.
478	**Panic**	**Multiple descriptions available** • **Software 57_47 and below: Pump pressure is not rising.** • **Software 60_50 and up: Load is too high for stabilizer operation.** • Multiple descriptions available • (Software 57_47 and below): Engine not running while activating function • (Software 57_47 and below): Start the engine and press red before activating the function again • (Software 57_47 and below): Pressure transducer on Pump/LS failing • (Software 57_47 and below): Replace transducer • (Software 57_47 and below): Dump valve 1 or 2 not closing • (Software 57_47 and below): Check dump valve function • (Software 60_50 and up): Decrease crane load before operating stabilizers
479	**Panic**	**PVSK Dump not working properly** • Feedback signal from PVSK. not correct according to demand signal • Check PVSK activation. Check feedback signal from PVSK. Check RCL input and config from PVSK. Check RCL output and config to PVSK.

480	**Panic**	**PVSK Shift not working properly** • Feedback signal from PVSK. not correct according to demand signal • Check PVSK activation. Check feedback signal from PVSK. Check RCL input and config from PVSK. Check RCL output and config to PVSK.

481	**Error**	**Valve command and feedback mismatch**
		• There is a mismatch between a crane valve command and feedback
		  • Check the configuration of the valve
		  • If the valve have been replaced: Check the type of the replacement is the same

482	**Error**	**Dump valve command and feedback mismatch**
		• There is a mismatch between a dump valve command and feedback
		  • Check the configuration of the valve
		  • If the valve have been replaced: Check the type of the replacement is the same

485	**Error**	**Slew valve sensor error**
		• Control signal and feedback signal is not the same
		  • Check control setup.
		  • Check sensing setup.
		  • Check valve sensor signal.

486	**Error**	**Multiple descriptions available**
		• **Between software 60_50 to 67_67: Boom valve sensor error or Jib valve sensor error.**
		• **Otherwise: Boom valve sensor error.**
		• Control signal and feedback signal is not the same
		  • Check control setup.
		  • Check sensing setup.
		  • Check valve sensor signal.

487	**Error**	**Multiple descriptions available**
		• **Between software 60_50 to 67_67: Jib valve sensor error or Extension valve sensor error.**
		• **Otherwise: Jib valve sensor error.**
		• Control signal and feedback signal is not the same
		  • Check control setup.
		  • Check sensing setup.
		  • Check valve sensor signal

488	**Error**	**Extension valve sensor error**
		• Control signal and feedback signal is not the same
		  • Check control setup.
		  • Check sensing setup.
		  • Check valve sensor signal.

489	**Error**	**FlyJib valve sensor error**
		• Control signal and feedback signal is not the same
		  • Check control setup.
		  • Check sensing setup.
		  • Check valve sensor signal.

490	**Error**	**FlyJib Ext valve sensor error** • Control signal and feedback signal is not the same • Check control setup. • Check sensing setup. • Check valve sensor signal.
491	**Error**	**Winch valve sensor error** • Control signal and feedback signal is not the same • Check control setup. • Check sensing setup. • Check valve sensor signal.
501	**Error**	**Main pressure 1 Low** • Signal from MP1 below lower limit • Check signal. Check input setup. in RCL. Check cable. Check transducer..
502	**Error**	**Main pressure 2 Low** • Signal from MP2 below lower limit • Check signal. Check input setup. in RCL. Check cable. Check transducer..
503	**Error**	**Main Compensation 1 Low** • Signal from MCP1 below lower limit • Check signal. Check input setup. in RCL. Check cable. Check transducer..
504	**Error**	• **Main Compensation 2 Low** • Signal from MCP2 below lower limit • Check signal. Check input setup. in RCL. Check cable. Check transducer..
505	**Error**	**Pump pressure Low** • Signal from PP1 below lower limit • Check signal. Check input setup. in RCL. Check cable. Check transducer..
507	**Error**	FlyJib pressure 1 Low • Signal from FJP1 below lower limit • Check signal. Check input setup. in RCL. Check cable. Check transducer..
508	**Error**	**FlyJib pressure 2 Low** • Signal from FJP2 below lower limit • Check signal. Check input setup. in RCL. Check cable. Check transducer..
509	**Error**	**FlyJib Compensation 1 Low** • Signal from FJCP1 below lower limit • Check signal. Check input setup. in RCL. Check cable. Check transducer..
510	**Error**	**Extension Low** • Extension is lower than low limit. • Check signal. Check input setup. in RCL. Check cable. Check transducer..
511	**Error**	**Winch Input 1 Low** • Signal from WP1 below lower limit • Check signal. Check input setup. in RCL. Check cable. Check transducer..

512	**Error**	Winch Input 2 Low • Signal from WP2 below lower limit • Check signal. Check input setup. in RCL. Check cable. Check transducer..
513	**Error**	**Front stabilizer input 1 low** • Signal from front stabilizer is below lower-limit • Check signal. Check input setup. in RCL. Check cable. Check transducer..
514	**Error**	**SafeFold Pressure Input is Low** • Signal from SafeFold pressure is below lower limit • Check signal • Check input setup in RCL • Check cable • Check transducer
517	**Error**	**FlyJib Compensation 2 Low** • Signal from FJCP2 below lower limit • Check signal. Check input setup. in RCL. Check cable. Check transducer..
540	**Error**	**Oil temperature input too low** • Signal from temp. sensor below lower limit • Check signal. Check input setup. in RCL. Check cable. Check sensor.
542	**Error**	**Front stabilizer input 2 low** • Signal from front stabilizer (redundant) is below lower-limit • Check signal. Check input setup. in RCL. Check cable. Check transducer..
551	**Error**	**Main pressure 1 High** • Signal from MP1 higher than high limit • Check signal. Check input setup. in RCL. Check cable. Check transducer.
552	**Error**	**Main pressure 2 High** • Signal from MP2 higher than high limit • Check signal. Check input setup. in RCL. Check cable. Check transducer.
553	**Error**	**Main Compensation 1 High** • Signal from MCP1 higher than high limit • Check signal. Check input setup. in RCL. Check cable. Check transducer.
554	**Error**	**Main Compensation 2 High** • Signal from MCP2 higher than high limit • Check signal. Check input setup. in RCL. Check cable. Check transducer.
555	**Error**	**Pump pressure High** • Signal from PP1 higher than high limit • Check signal. Check input setup. in RCL. Check cable. Check transducer.
557	**Error**	**FlyJib pressure 1 High** • Signal from FJP1 higher than high limit • Check signal. Check input setup. in RCL. Check cable. Check transducer.
558	**Error**	**FlyJib pressure 2 High** • Signal from FJP2 higher than high limit. • Check signal. Check input setup. in RCL. Check cable. Check transducer.

559	**Error**	**FlyJib Compensation 1 High** • Signal from FJCP1 higher than high limit • Check signal. Check input setup. in RCL. Check cable. Check transducer.
560	**Error**	**Extension High** • Extension is higher than high limit • Check signal. Check input setup. In RCL. Check cable. Check transducer.
561	**Error**	**Winch input 1 High** • Signal from WP1 higher than high limit • Check signal. Check input setup. in RCL. Check cable. Check transducer.
562	**Error**	**Winch input 2 High** • Signal from WP1 higher than high limit • Check signal. Check input setup. in RCL. Check cable. Check transducer.
563	**Error**	**Front stabilizer input 1 high limit** • Signal from front stabilizer higher than high-limit • Check signal. Check input setup. in RCL. Check cable. Check transducer.
564	**Error**	**SafeFold Pressure Input is High** • Signal from SafeFold pressure is above upper limit • Check signal. Check input setup. In RCL. Check cable. Check transducer.
567	**Error**	**FlyJib Compensation 2 High** • Signal from FJCP2 higher than high limit • Check signal. Check input setup. in RCL. Check cable. Check transducer.
568	**Error**	**Front stabilizer input 2 high limit** • Signal from front stabilizer (redundant) higher than high-limit • Check signal. Check input setup. in RCL. Check cable. Check transducer.
573	**Warning**	**Front Stab Difference** • The two signals are not different from each other • Check signal. Check input setup. in RCL. Check cable. Check transducer.
590	**Error**	• Oil temperature input too high • Signal from Temp. sensor higher than high limit • Check signal. Check input setup. in RCL. Check cable. Check sensor
600	**Warning**	**Analog input not configured** • The input signal i not received on the correct input connector • Connect the input signal in the specified connector or reconfigure the connector in the RCL
601	**Warning**	**AD1 RCL5300B analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
602	**Warning**	**AD2 RCL5300B analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
603	**Warning**	**AD3 RCL5300A analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.

604	**Warning**	**AD4 RCL5300A analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
605	**Warning**	**AD5 RCL5300A analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
606	**Warning**	**AD6 RCL5300A analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
607	**Warning**	**AD7 RCL5300B analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
608	**Warning**	**AD1 FJC5330A analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
609	**Warning**	**AD2 FJC5330A analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
610	**Warning**	**AD3 FJC5330B analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
611	**Warning**	**AD4 FJC5330B analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
612	**Warning**	**AD1 WIC5333A analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
613	**Warning**	**AD2 WIC5333A analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
614	**Warning**	**AD3 WIC5333B analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
615	**Warning**	**AD4 WIC5333B analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
616	**Warning**	**AD1 CIO5376A#1 analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.

617	**Warning**	**AD2 CIO5376A#1 analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
618	**Warning**	**AD3 CIO5376B#1 analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
619	**Warning**	**AD4 CIO5376B#1 analog input error** • Terminal short circuit or not responding. • Check input setup. Check signal/source.
620	**Error**	**I/O module 80 Supply error** • Supply for output is missing • Check connection.
621	**Error**	**I/O module 81 Supply error** • Supply for output is missing • Check connection.
622	**Error**	**I/O module 82 Supply error** • Supply for output is missing • Check connection.
623	**Error**	**I/O module 83 Supply error** • Supply for output is missing • Check connection.
624	**Error**	**I/O module 80 Internal error** • Internal software error • Repower the system. • Check the CAN connection. • Replace module.
625	**Error**	**I/O module 81 Internal error** • Internal software error • Repower the system. • Check the CAN connection. • Replace module.
626	**Error**	**I/O module 82 Internal error** • Internal software error • Repower the system. • Check the CAN connection. • Replace module.
627	**Error**	**I/O module 83 Internal error** • Internal software error • Repower the system. • Check the CAN connection. • Replace module.

628	**Log**	**I/O module 80 Output error** • Short circuit or cable break on the outputs • Check connections.
636	**Log**	**I/O module 81 Output error** • Short circuit or cable break on the outputs • Check connections.
644	**Log**	**I/O module 82 Output error** • Short circuit or cable break on the outputs • Check connections.
652	**Log**	**I/O module 83 Output error** • Short circuit or cable break on the outputs • Check connections.

660	**Warning**	**SCC6076 Flyjib Standard Warning** • Use the extra-error (the number aft er 660) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** **Check related wiring, sensor and software configuration.** **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration.

660	**Warning**	**22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration.

600	**Warning**	**41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration.

660	**Warning**	**60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

660	**Warning**	**79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration.

660	**Warning**	**98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor.

660	**Warning**	**117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundantsensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration.

660	**Warning**	**133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short!

660	**Warning**	**150 Safety rail output protection triggered:** Check all wiring and actuator outputs. **151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current. **158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
661	**Warning**	**SCC6076 Flyjib Extended Warning** • Use the extra-error (the number aft er 661) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date.

661	**Warning**	**33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.
662	**Warning**	**SCC6076 I/O module 80 Standard Warning** • Use the extra-error (the number aft er 662) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. 16 Plug 5 - Drawn sensor current to low (pin 1): Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration.

662	**Warning**	**23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration.

662	**Warning**	**42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration.

662	**Warning**	**61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

662	**Warning**	**80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration.

662	**Warning**	**99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor.

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662	**Warning**	**118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration.

662	**Warning**	**134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs.

662	**Warning**	**151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current. **158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
663	**Warning**	**SCC6076 I/O module 80 Extended Warning** • Use the extra-error (the number aft er 663) to determine what to do next in the list. • 0 - 8 Software exceptions: Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.

664	**Warning**	**SCC6076 I/O module 81 Standard Warning** • Use the extra-error (the number aft er 664) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration.

664	**Warning**	**23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration.

664	**Warning**	**42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration.

664	**Warning**	**61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

664	**Warning**	**80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration.

664	**Warning**	**99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor.

664	**Warning**	**118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration.

664	**Warning**	**134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs.

664	**Warning**	**151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current. **158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
665	**Warning**	**SCC6076 I/O module 81 Extended Warning** • Use the extra-error (the number aft er 665) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.

666	**Warning**	**SCC6076 I/O module 82 Standard Warning** • Use the extra-error (the number aft er 666) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration.

666	**Warning**	**23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration.

666	**Warning**	**42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration.

666	**Warning**	**61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

666	**Warning**	**80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration.

666	**Warning**	**99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor.

666	**Warning**	**118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration.

666	**Warning**	**134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs.

666	**Warning**	**151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current. **158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
667	**Warning**	**SCC6076 I/O module 82 Extended Warning** • Use the extra-error (the number aft er 667) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.

668	**Warning**	**SCC6076 I/O module 83 Standard Warning** • Use the extra-error (the number aft er 668) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration.

668	**Warning**	**23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration.

668	**Warning**	**42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration.

668	**Warning**	**61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

ERROR CODES 668-676

668	**Warning**	**80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration.

668	**Warning**	**99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor.

668	**Warning**	**118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4)**: Check related wiring, sensor, sensor type and software configuration.

668	**Warning**	**134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs.

668	**Warning**	**150 Safety rail output protection triggered:** Check all wiring and actuator outputs. **151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current. **158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
669	**Warning**	**SCC6076 I/O module 83 Extended Warning** • Use the extra-error (the number aft er 669) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date.

669	**Warning**	**42 - 65 Software exceptions:** Make sure module software is up to date.
672	**Error**	**SCC6076 Flyjib Standard Error** • Use the extra-error (the number aft er 672) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration.

672	**Error**	**23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration.

672	**Error**	**42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration.

672	**Error**	**61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

672	**Error**	**80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration.

672	**Error**	**99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug z2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor.

672	**Error**	**118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration.

672	**Error**	**134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs.

672	**Error**	**151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current. **158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
673	**Panic**	**SCC6076 Flyjib Standard Panic** • Use the extra-error (the number aft er 673) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration

673	**Panic**	**11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration.

673	**Panic**	**30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration.

673	**Panic**	**49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

673	**Panic**	**68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration.

673	**Panic**	**87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor.

673	**Panic**	**106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor.

673	**Panic**	**125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type.

673	**Panic**	**139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs. **151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current.

673	**Panic**	**158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
674	**Error**	**SCC6076 Flyjib Extended Error** • Use the extra-error (the number aft er 674) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.
675	**Panic**	**SCC6076 Flyjib Extended Panic** • Use the extra-error (the number aft er 675) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.

676	**Error**	**SCC6076 I/O module 80 Standard Error** • Use the extra-error (the number aft er 676) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration.

676	**Error**	**23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration.

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676	**Error**	**42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration.

676	**Error**	**61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

676	**Error**	**80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration.

676	**Error**	**99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor.

676	**Error**	**118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration.

676	**Error**	**134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs.

676	**Error**	**151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current. **158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
677	**Panic**	**SCC6076 I/O module 80 Standard Panic** • Use the extra-error (the number aft er 677) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration.

677	**Panic**	**11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration.

677	**Panic**	**30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration.

677	**Panic**	**49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

677	**Panic**	**68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration.

677	**Panic**	**87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor.

677	**Panic**	**106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor.

677	**Panic**	**125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type.

677	**Panic**	**139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs. **151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current.

677	**Panic**	**158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
678	**Error**	**SCC6076 I/O module 80 Extended Error** • Use the extra-error (the number aft er 678) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.
679	**Panic**	**SCC6076 I/O module 80 Extended Panic** • Use the extra-error (the number aft er 679) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.

680	**Error**	**SCC6076 I/O module 81 Standard Error** • Use the extra-error (the number aft er 680) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration.

680	**Error**	**23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration.

680	**Error**	**42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration.

680	**Error**	**61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

680	**Error**	**80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration.

680	**Error**	**99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor.

680	**Error**	**118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration.

680	**Error**	**134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs.

680	**Error**	**151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current. **158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
681	**Panic**	**SCC6076 I/O module 81 Standard Panic** • Use the extra-error (the number aft er 681) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration.

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681	**Panic**	**11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration.

681	**Panic**	**30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration.

681	**Panic**	**49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

681	**Panic**	**68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration.

681	**Panic**	**87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor.

681	**Panic**	**106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor.

681	**Panic**	**125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type.

681	**Panic**	**139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs. **151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current.

681	**Panic**	**158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
682	**Error**	**SCC6076 I/O module 81 Extended Error** • Use the extra-error (the number aft er 682) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.
683	**Panic**	**SCC6076 I/O module 81 Extended Panic** • Use the extra-error (the number aft er 683) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.

684	**Error**	**SCC6076 I/O module 82 Standard Error** • Use the extra-error (the number aft er 684) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration.

684	**Error**	**23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration.

684	**Error**	**42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration.

684	**Error**	**61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

684	**Error**	**80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration.

684	**Error**	**99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor.

684	**Error**	**118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration.

684	**Error**	**134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs.

684	**Error**	**151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current. **158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
685	**Panic**	**SCC6076 I/O module 82 Standard Panic** • Use the extra-error (the number aft er 685) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration.

685	**Panic**	**11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration.

685	**Panic**	**30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration.

685	**Panic**	**49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

685	**Panic**	**68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration.

685	**Panic**	**87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor.

685	**Panic**	**106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor.

685	**Panic**	**125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type.

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685	**Panic**	**139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs. **151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current.

685	**Panic**	**158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
686	**Error**	**SCC6076 I/O module 82 Extended Error** • Use the extra-error (the number aft er 686) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.
687	**Panic**	**SCC6076 I/O module 82 Extended Panic** • Use the extra-error (the number aft er 687) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.

688	**Error**	**SCC6076 I/O module 83 Standard Error** • Use the extra-error (the number aft er 688) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration.

688	**Error**	**23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration.

688	**Error**	**42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration.

688	**Error**	**61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

688	**Error**	**80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration.

688	**Error**	**99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor.

688	**Error**	**118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration.

688	**Error**	**130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short!

688	**Error**	**146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs. **151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current. **158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.

689	**Panic**	**SCC6076 I/O module 83 Standard Panic** • Use the extra-error (the number aft er 689) to determine what to do next in the list. • **0 - 5 Software error:** Upgrade to latest software, otherwise replace module. **6 Plug 1 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **7 Plug 2 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **8 Plug 3 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **9 Plug 4 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **10 Plug 5 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **11 Plug 6 - Drawn sensor current to high (pin 1):** Check related wiring, sensor and software configuration. **12 Plug 1 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **13 Plug 2 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **14 Plug 3 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **15 Plug 4 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **16 Plug 5 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **17 Plug 6 - Drawn sensor current to low (pin 1):** Check related wiring, sensor and software configuration. **18 Plug 1 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **19 Plug 2 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **20 Plug 3 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **21 Plug 4 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **22 Plug 5 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration.

689	**Panic**	**23 Plug 6 - Actuator output (pin 4) current to high:** Check related wiring, actuator and software configuration. **24 Plug 1 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **25 Plug 2 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **26 Plug 3 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **27 Plug 4 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **28 Plug 5 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **29 Plug 6 - Actuator output (pin 4) current to low:** Check related wiring, actuator and software configuration. **30 Plug 1 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **31 Plug 2 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **32 Plug 3 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **33 Plug 4 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **34 Plug 5 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **35 Plug 6 - Sensor input signal (pin 2) below limit:** Check related wiring, sensor and software configuration. **36 Plug 1 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **37 Plug 2 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **38 Plug 3 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **39 Plug 4 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **40 Plug 5 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration. **41 Plug 6 - Sensor input signal (pin 4) below limit:** Check related wiring, sensor and software configuration.

689	**Panic**	**42 Plug 1 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **43 Plug 2 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **44 Plug 3 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **45 Plug 4 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **46 Plug 5 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **47 Plug 6 - Sensor input signal (pin 2) above limit:** Check related wiring, sensor and software configuration. **48 Plug 1 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **49 Plug 2 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **50 Plug 3 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **51 Plug 4 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **52 Plug 5 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **53 Plug 6 - Sensor input signal (pin 4) above limit:** Check related wiring, sensor and software configuration. **54 Plug 1 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **55 Plug 2 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **56 Plug 3 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **57 Plug 4 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **58 Plug 5 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **59 Plug 6 - Sensor output shorted (pin 1):** Check related wiring, sensor and software configuration. **60 Plug 1 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration.

689	**Panic**	**61 Plug 2 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **62 Plug 3 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **63 Plug 4 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **64 Plug 5 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **65 Plug 6 - Actuator output shorted (pin 4):** Check related wiring, actuator and software configuration. **66 Plug 1 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **67 Plug 2 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **68 Plug 3 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **69 Plug 4 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **70 Plug 5 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **71 Plug 6 - Redundancy error analog input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **72 Plug 1 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **73 Plug 2 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **74 Plug 3 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **75 Plug 4 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **76 Plug 5 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **77 Plug 6 - Redundancy error analog input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **78 Plug 1 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **79 Plug 2 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration.

689	**Panic**	**80 Plug 3 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **81 Plug 4 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **82 Plug 5 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **83 Plug 6 - Redundancy error digital input (pin 2):** Check related wiring, sensor, redundant sensor and software configuration. **84 Plug 1 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **85 Plug 2 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **86 Plug 3 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **87 Plug 4 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **88 Plug 5 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **89 Plug 6 - Redundancy error digital input (pin 4):** Check related wiring, sensor, redundant sensor and software configuration. **90 Plug 1 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **91 Plug 2 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **92 Plug 3 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **93 Plug 4 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **94 Plug 5 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **95 Plug 6 - Input port type error (pin 2):** Check related wiring, sensor, sensor type and software configuration. **96 Plug 1 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **97 Plug 2 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **98 Plug 3 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration.

689	**Panic**	**99 Plug 4 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **100 Plug 5 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **101 Plug 6 - Input port type error (pin 4):** Check related wiring, sensor, sensor type and software configuration. **102 Plug 1 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **103 Plug 2 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **104 Plug 3 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **105 Plug 4 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **106 Plug 5 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **107 Plug 6 - Sensor input stuck high (pin 2):** Check related wiring and sensor. **108 Plug 1 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **109 Plug 2 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **110 Plug 3 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **111 Plug 4 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **112 Plug 5 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **113 Plug 6 - Sensor input stuck high (pin 4):** Check related wiring and sensor. **114 Plug 1 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **115 Plug 2 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **116 Plug 3 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **117 Plug 4 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor.

689	**Panic**	**118 Plug 5 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **119 Plug 6 - Sensor input shorted to other signal (pin 2):** Check related wiring and sensor. **120 Plug 1 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **121 Plug 2 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **122 Plug 3 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **123 Plug 4 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **124 Plug 5 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **125 Plug 6 - Sensor input shorted to other signal (pin 4):** Check related wiring and sensor. **126 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **127 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **128 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **129 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **130 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **131 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 2):** Check related wiring, sensor, sensor type and software configuration. **132 Plug 1 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **133 Plug 2 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration.

689	**Panic**	**134 Plug 3 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **135 Plug 4 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **136 Plug 5 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **137 Plug 6 - Sensor input configured to be redundant but no redundant sensor found (pin 4):** Check related wiring, sensor, sensor type and software configuration. **138 Plug 1 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **139 Plug 2 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **140 Plug 3 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **141 Plug 4 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **142 Plug 5 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **143 Plug 6 - Sensor output driver error (pin 1):** Check related wiring, sensor and sensor type. **144 Plug 1 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **145 Plug 2 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **146 Plug 3 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **147 Plug 4 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **148 Plug 5 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **149 Plug 6 - Actuator output protection triggered (pin 4):** Check related wiring and actuator. Likely there is a short! **150 Safety rail output protection triggered:** Check all wiring and actuator outputs.

689	**Panic**	**151 Plug 1 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **152 Plug 2 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **153 Plug 3 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **154 Plug 4 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **155 Plug 5 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **156 Plug 6 - Sensor output protection triggered (pin 1):** Check related wiring and sensor. Likely there is a short! **157 Allowed module current exceeded:** Check output wiring and supply current. **158 - 161 Parameter signature mismatch (CRC mismatch):** Possibly defect EEPROM, and reconfigure first! **162 - 163 Safety rail error (runtime diagnostic):** Check supply voltage, try upgrade to latest available software. **164 - 166 Inclination sensor signals error:** Calibrate the module. Upgrade to latest software. **167 - 168 CAN Bridge error (runtime diagnostic):** Check supply voltage. Check both CAN-plugs. **169 Module voltage above limit:** Check supply voltage. Reboot module. **170 Module voltage below limit:** Check supply voltage. Reboot module. **171 - 184 Software exception:** Make sure software is up to date. Reboot Module. Replace Module.
690	**Error**	**SCC6076 I/O module 83 Extended Error** • Use the extra-error (the number aft er 690) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.

691	**Panic**	**SCC6076 I/O module 83 Extended Panic** • Use the extra-error (the number aft er 691) to determine what to do next in the list. • **0 - 8 Software exceptions:** Check CAN plugs and supply voltage. Make sure module software is up to date. **9 CAN RPDO timeout:** Check CAN plugs and supply voltage. **10 - 29 CAN open stack exception:** Make sure module software is up to date. **30 - 32 CAN open safety stack data error:** Check CAN plugs and supply voltage. Make sure module software is up to date. **33 - 41 CAN open safety stack exception:** Make sure module software is up to date. **42 - 65 Software exceptions:** Make sure module software is up to date.
701	**Panic**	**Dump 1 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
702	**Error**	**Dump 2 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
703	**Warning**	**Shift valve output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
704	**Warning**	**HDL valve output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..

705	**Warning**	**Regeneration boom output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
706	**Warning**	**Regeneration jib output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
707	**Warning**	**Regeneration ext output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
708	**Warning**	**Regeneration Boom/Jib output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
709	**Warning**	**Engine Full output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
710	**Warning**	**Engine RPM - output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..

711	**Warning**	**Engine RPM + output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification.
712	**Warning**	**Light output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
713	**Warning**	**PVSK-Dump output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
714	**Warning**	**PVSK-Shift output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
715	**Warning**	**Horn output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
716	**Warning**	**Flash output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..

717	**Warning**	Engine start output current below limit • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
718	**Warning**	**Engine stop output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
733	**Warning**	**Winch park output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
734	**Warning**	**FlyJib Shift Rotator output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
735	**Warning**	**FlyJib Grab output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
736	**Warning**	**Stab. Low speed output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..

737	**Warning**	**Stab. High speed output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
738	**Warning**	**Stab. Dir.A output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
739	**Warning**	**Stab. Dir.A output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
740	**Warning**	**Stab. Valve 1 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
741	**Warning**	**Stab. Valve 2 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
742	**Warning**	**Stab. Valve 3 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..

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743	**Warning**	**Stab. Valve 4 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
744	**Warning**	**Stab. Valve 5 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
745	**Warning**	**Stab. Valve 6 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
746	**Warning**	**Stab. Valve 7 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
747	**Warning**	**Stab. Valve 8 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
748	**Warning**	**Stab. Valve 9 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..

749	**Warning**	**Stab. Valve 10 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
750	**Warning**	**Stab. Valve 11 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
751	**Warning**	**Stab. Valve 12 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
752	**Warning**	**Lever Col. 1 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
753	**Warning**	**Lever Col. 2 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
754	**Warning**	**Lever Col. 3 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..

755	**Warning**	**Lever Col. 4 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
756	**Warning**	**Lever Col. 5 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
757	**Warning**	**Lever Col. 6 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
758	**Warning**	**Lever Col. 7 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
759	**Warning**	**Lever Col. 8 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
776	**Warning**	**RC Button 1 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..

777	**Warning**	**RC Button 2 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
778	**Warning**	**RC Button 3 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
779	**Warning**	**RC Button 3 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
780	**Warning**	**RC Button 5 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
781	**Warning**	**RC Button 6 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
782	**Warning**	**RC Button 7 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..

783	**Warning**	**RC Button 8 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
784	**Warning**	**RC Button 9 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
785	**Warning**	**RC Button 10 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
786	**Warning**	**RC Button 11 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
787	**Warning**	**RC Button 12 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
788	**Warning**	**RC Button 13 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..

789	**Warning**	**RC Button 14 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
790	**Warning**	**RC Button 15 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
791	**Warning**	**RC Button 16 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
792	**Warning**	**RC Button 17 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
793	**Warning**	**RC Button 18 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
794	**Warning**	**RC Button 19 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..

795	**Warning**	**RC Button 20 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
796	**Warning**	**RC Button 21 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
797	**Warning**	**RC Button 22 output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load.. • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification..
799	**Warning**	**Unknown signal output current below limit** • The wire connection to the load is broken or disconnected • Check connection. • The current low load limit is set too low for this load... • Correct the current low load limit • The supply for the load does not match the specification for the load • Check the load specification.... • An output is set to permanent ""On"" with no load attached • Change the output configuration and the load
800		**Stabilizer lights are short-circuited** • The wire connection or light is broken • Check connection.
801		**Dump 1 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number • The current high load limit is set too low for this load • Correct the current High load limit
802		**Dump 2 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number

803		**Shift valve output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
804		**HDL valve output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
805		**Regeneration boom output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
806		**Regeneration jib output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
807		**Regeneration ext output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
808		**Regeneration Boom/Jib output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
809		**Engine Full output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
810		**Engine RPM - output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
811		**Engine RPM + output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
812		**Light output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
813		**PVSK-Dump output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number

814		**PVSK-Shift output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
815		**Horn output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
816		**Flash output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
817		**Engine start output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
818		**Engine stop output current above limit** This output signal is overloading the output that it is connected to, or the output is short circuited Pres the Red button to find the output pin number
833		**Winch park output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
836		**Stab. Low speed output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
837		**Stab. High speed output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
838		**Stab. Dir.A output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
839		**Stab. Dir.A output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
840		**Stab. Valve 1 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number

841		**Stab. Valve 2 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
842		**Stab. Valve 3 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
843		**Stab. Valve 4 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
844		**Stab. Valve 5 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
845		**Stab. Valve 6 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
846		**Stab. Valve 7 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
847		**Stab. Valve 8 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
848		**Stab. Valve 9 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
849		**Stab. Valve 10 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
850		**Stab. Valve 11 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
851		**Stab. Valve 12 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number

852		**Lever Col. 1 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
853		**Lever Col. 2 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
854		**Lever Col. 3 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
855		**Lever Col. 4 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
856		**Lever Col. 5 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
857		**Lever Col. 6 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
858		**Lever Col. 7 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
859		**Lever Col. 8 output current above limit** • This output signal is overloading the output that it is connected to, or the output is short circuited • Pres the Red button to find the output pin number
901	**Warning**	**RCL530X Digital out 1 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
902	**Warning**	RCL530X Digital out 2 error • There is an output error on this pin • Find the output pin and check the wiring to the load
903	**Warning**	RCL530X Digital out 3 error • There is an output error on this pin • Find the output pin and check the wiring to the load
904	**Warning**	RCL530X Digital out 4 error • There is an output error on this pin • Find the output pin and check the wiring to the load

911	**Warning**	**FJC5330 Digital out 1 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
912	**Warning**	**FJC5330 Digital out 2 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
913	**Warning**	**WIC5333 Digital out 1 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
914	**Warning**	**WIC5333 Digital out 2 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
915	**Warning**	**CIO5376AI Digital out 1 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
916	**Warning**	**CIO5376BI Digital out 2 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
917	**Warning**	**CIO5376AII Digital out 1 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
918	**Warning**	**CIO5376BII Digital out 2 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
921		**CIO5070/5071 Digital out 1 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
922		**CIO5070/5071 Digital out 2 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
923		**CIO5070/5071 Digital out 3 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
924		**CIO5070/5071 Digital out 4 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
925		**CIO5070/5071 Digital out 5 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
926		**CIO5070/5071 Digital out 6 error** • There is an output error on this pin • Find the output pin and check the wiring to the load

927		**CIO5070/5071 Digital out 7 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
928		**CIO5070/5071 Digital out 8 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
929		**CIO5070/5071 Digital out 9 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
930		**CIO5070/5071 Digital out 10 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
931		**CIO5070/5071 Digital out 11 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
932		**CIO5070/5071 Digital out 12 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
933		**CIO5071 Digital out 13 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
934		**CIO5071 Digital out 14 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
935		**CIO5071 Digital out 15 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
936		**CIO5071 Digital out 16 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
937	**Warning**	**CIO5074 #1 Digital out 1 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
938	**Warning**	**CIO5074 #1 Digital out 2 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
939	**Warning**	**CIO5074 #1 Digital out 3 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
940	**Warning**	**CIO5074 #1 Digital out 4 error** • There is an output error on this pin • Find the output pin and check the wiring to the load

941		**CIO5074 #2 Digital out 1 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
942		**CIO5074 #2 Digital out 2 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
943		**CIO5074 #2 Digital out 3 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
944		**CIO5074 #2 Digital out 4 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
951		**Remote control: Digital out 1 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
952		**Remote control: Digital out 2 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
953		**Remote control: Digital out 3 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
954		**Remote control: Digital out 4 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
955		**Remote control: Digital out 5 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
956		**Remote control: Digital out 6 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
957		**Remote control: Digital out 7 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
958		**Remote control: Digital out 8 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
959		**Remote control: Digital out 9 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
960		**Remote control: Digital out 10 error** • There is an output error on this pin • Find the output pin and check the wiring to the load

961		**Remote control: Digital out 11 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
962		**Remote control: Digital out 12 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
963		**Remote control: Digital out 13 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
964		**Remote control: Digital out 14 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
965		**Remote control: Digital out 15 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
966		**Remote control: Digital out 16 error** • There is an output error on this pin • Find the output pin and check the wiring to the load
967	**Error**	**Digital input signal not opposite** • The two input signals are not inverted of each other • Check connection of sensors 1: SLEW_2LMBt 2: SLEW_HS 3: HS_ACTIV 4: WINCH_EASE 5: SEC_SWITCH 6: SLEW_HS2 7: HS_ACTIVE2
997	**Warning**	**System exception** • A system exception have occurred, to correct the error try the following: Restart system Reset CAN module list Check CAN plugs and supply voltage If none of the above solved the issue, contact IMT technical support The number aft er 997 indicates the exception ID, the exception ID´s are described below. This information is only relevant for IMT Employees • **1 system scheduler too many tasks added** **2 too many TPDO in system** **3 too many RPDO in system** **4 inconsistent error** **5 inconsistent display message**

997	**Warning**	**6 inconsistent display configuration** **7 illegal system command** **8 IPC dictionary full** **9 IPC index already in use** **10 IPC incorrect data type** **11 IPC index does not exist** **12 too many exceptions in the system** **13 EEPROM memory full** **14 NMT callback timeout error** **15 invalid PDO message ID added** **16 TPDO already in system** **17 RPDO already in system** **18 failed to transmit TPDO** **19 maximum number of timers in system exceeded** **20 dynamic EEPROM memory full** **21 CAN message callback list full** **22 SDO client buff er full** **23 external parameter buff er full** **24 PVED S5 module parameter buff er full** **25 maximum number of mode shift callback functions exceeded** **26 EVS state machine error** **27 time penalty exception** **28 EVS parameter index error** **29 stab signal is invalid** **30 input surveillance error** **31 incorrect use of input surveillance function** **32 analog input metadata error** **33 input surveillance default error** **34 SCC6076 flyJib error exceeds maximum number of errors allowed** **35 SCC6076 flyjib metadata not found** **36 SCC6076 flyjib module command not found** **37 SCC6076 generic IO module invalid MUX value in TPDO4** **38 SCC6076 generic IO module invalid vendor ID** **39 Generic Inclinometer CMD not found** **40 Boom Angle CMD not found** **41 Jib Angle CMD not found** **42 SCC6076 Generic IO Metadata not found** **43 SCC6076 Generic IO Unknown Type**

997	**Warning**	**44 SCC6076 Generic IO Array Error** **45 Digital Output Source is too high** **46 SCC6076 Crewbasket error enum overload** **47 SCC6076 Crewbasket metadata not found** **48 SLC state out of range** **49 SCC6076 IPC reader incorrectly defined** **50 Requested analog output out of range**
998	**Panic**	**Fast RCL restart** • The RCL530X are started up 10 times without running for 1 second. • Check the supply and ignition to the module.. and that there are sufficient power available. • The RCL530X are started up 10 times without running for 1 second • If the power is OK, the try to upgrade the RCL software.
999	**Log**	**Unknown error** • An unknown error has occurred • Try updating the RCL5300 • Try to load the profile again

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