FRYMASTER BIGLA30-T/BIELA14-T Event Codes Quick Reference

EVENT CODE	EVENT MESSAGE	EXPLANATION	CORRECTIVE ACTION	PARTS TO CARRY ON SERVICE CALL	TIME ALLOWED (HRS)	POSSIBLE TOOLS NEEDED
E13	TEMPERATURE PROBE FAILURE	A. TEMP Probe reading out of range. B. Bad Connection. C. Problem with the temperature measuring circuitry including the probe.	A. Press the "?" button on the bottom of the controller associated with the probe. Press the down arrow. Press the Software version button. Initializing is displayed. Once the versions are displayed press the down button. Compare actual vat temperature to vat temperature displayed. If the temperature is missing or there is a large difference between temperatures go to the next step. B. Ensure temperature probe is connected properly to J11 on the SIB board (see section 1.8 of the BIGLA30-T service manual). Ensure that the connector is terminated properly. C. Check resistance of probe against the chart in section 1.17 of the BIGLA30-T service manual, if defective replace the probe (see section 1.14.4 of the BIGLA30-T service manual).	Gas – 8263285 Elec – 8073450	1.5 1.5	7/8" deep socket with slot #8150386 Multi-meter

NOTE: When going on any service call the standard set of basic tools including a multimeter should be taken as well as any additional tools or parts listed. Ensure the BIGLA-T or BIELA-T Installation and Operation and Service manuals are taken on the service call. The most current manuals are located at www.frymaster.com.

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E16	HIGH LIMIT 1 EXCEEDED	High limit temperature is past more than 410°F (210°C), or in CE countries, 395°F (202°C).	Ensure temperature read out is correct. If not check probe circuit (see event code E13 troubleshooting). Ensure the fryer is not overheating. If so, check the latch and heat relays to ensure they are operating correctly (see LED's 1 and 3 in SIB board illustration in section 1.8 of the BIGLA30-T service manual). If not replace the SIB board (see section 1.14.2 of the BIGLA30-T service manual).	SIB board - 8263468	2.0	Multi-meter 6 and 1 driver
E17	HIGH LIMIT 2 EXCEEDED	High limit switch has opened. Vat temperature is high enough to open the physical bi-metallic high limit switch or the switch has failed.	Ensure temperature read out is correct. If not check probe circuit (see event code E13 troubleshooting). The high limit is attached to J1 connector, pins 3 and 4 on the SIB board. Ensure the fryer is not overheating. If so, check the latch and heat relays to ensure they are operating correctly (see LED's 1 and 3 in SIB board illustration in section 1.8 of the BIGLA30-T service manual). If not replace the SIB board (see section 1.14.2 of the BIGLA30-T	High Limit Gas – 8261177 High Limit Elec – 8262454 FV 8262456 DV SIB board - 8263468	1.0 1.0	7/8" deep socket with slot #8150386 Multi-meter 6 and 1 driver

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			service manual). If the latch and heat relays are operating correctly replace the high limit (see section 1.14.4 of the BIGLA30-T service manual).			
E18	HIGH LIMIT PROBLEM DISCONNECT POWER	Vat temperature exceeds 460°F (238°C) and the high limit has failed to open. Immediately disconnect power. Failed high-limit.	Ensure temperature read out is correct. If not check probe circuit (see event code E13 troubleshooting). The high limit is attached to J1 connector, pins 3 and 4 on the SIB board. Ensure the fryer is not overheating. If so, check the latch and heat relays to ensure they are operating correctly (see LED's 1 and 3 in SIB board illustration in section 1.8 of the BIGLA30-T service manual). If not replace the SIB board (see section 1.14.2 of the BIGLA30-T service manual). If the latch and heat relays are operating correctly replace the high limit (see section 1.14.4 of the BIGLA30-T service manual).	High Limit Gas – 8261177 High Limit Elec – 8262454 FV 8262456 DV SIB board - 8263468	1.0 1.0	7/8" deep socket with slot #8150386 Multi-meter 6 and 1 driver
E19	HEATING FAILURE – XXX F or XXX C	Heating Control latch circuit failed. Heat Contactor	A. Check the heat or latch circuit, using the component check to check function in section 1.5 of the BIGLA30-T service	SIB board - 8263468	2.0	6 and 1 driver

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		failed to latch on electric fryer. A. Heat or latch circuit failed. B. SIB failure	manual correctly (see LED's 1 and 3 in SIB board illustration in section 1.8 of the BIGLA30-T service manual). B. Replace the SIB board (see section 1.14.2 of the BIGLA30-T service manual).			
E25	HEATING FAILURE - BLOWER	The air pressure switch(s) failed to close after the blower was activated. A. Dirty blower. B. Loss of power to blower. C. Defective blower. D. Defective pressure switches or connection.	A. Check the blower using the component check to check function in section 1.5 of the BIGLA30-T service manual. If the blower is dirty, clean the blower (see section 1.14.7 of the BIGLA30-T service manual). B. Ensure the blower has power. Unplug and check voltage when blower is toggled on using the component check in action "A". If the blower is clean and has power but doesn't power up, replace the blower (see section 1.14.7 of the BIGLA30-T service manual). C. If the pressure switch fails to close, check the connection (SIB J2 pins 5 and 6). If the connection is secure, replace the pressure switch.	Pressure Switch FV/DV 8263465 Blower FV 50Hz 1085699SP Blower FV 60Hz 1062999SP Blower DV 50Hz 1086012SP Blower DV 60Hz 8263472	1.5	7/16" Socket 6 and 1 driver Multi-meter ¼" ratchet with extension
E27	HEATING	The air pressure	If the pressure switch is closed	Pressure Switch	1.5	6 and 1 driver

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	FAILURE - PRESSURE SWITCH - CALL SERVICE	switch has failed closed.	with the blower off, the air pressure switch vent tube may be blocked. The pressure switch is stuck or defective. Replace the pressure switch.	FV/DV 8263465		Multi-meter
E28	HEATING FAILURE – XXX F or XXX C	The fryer has failed to ignite and has locked out the ignition module. Probable causes: A. Air in the gas lines that needs purged. B. Failed or closed gas valve. C. Dirty /failed blower. D. Low micro amps. E. Improper gas pressure. F. Defective/dis connected flame sensor wire. G. Defective ignitor/igniti	A. Turn off the vat with the issue and back on again to see if issue corrects itself. This may need to be done several times if air is in the gas line. B. Ensure that the gas valve is turned on to the fryer. C. Ensure the blower is clean and operational. If the blower is dirty, clean the blower (see section 1.14.7 of the BIGLA30-T service manual). D. Ensure the micro-amps are correct. See section 1.13 of the BIGLA30-T service manual. E. Ensure the gas pressure matches the pressure on the rating plate. F. Ensure the flame sensor wire is secure and properly measuring the flame current (see section 1.13 of the BIGLA30-T service manual). G. Ensure the ignition cable is secure and not defective. Ensure the ignitor is working	Blower FV 50Hz 1085699SP Blower FV 60Hz 1062999SP Blower DV 50Hz 1086012SP Blower DV 60Hz 8263472 Blower Relay - 8071683 Time Delay Relay – 8075731 Ignitor NG 8263549 Ignitor Pro 8263552 Gas Valve NG 8261122 Gas Valve Pro 8261123 Ignition Cable 8075614 Rajah Connector 8073484 Module 8075949 SIB board –	1.5 1.5 1.5 1.5 1.0 1.0 1.5 1.5 2.0 2.0 1.0 1.0 1.0 2.0	7/16” Socket 6 and 1 Driver Multi-meter with micro-amps ¼” ratchet with extension

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		on cable H. Defective ignition module. I. Failed SIB. J. Open high-limit thermostat.	properly. If not replace the ignitor (see section 1.14.6 of the BIGLA30-T service manual). H. If the alarm signal continues on the ignition module without a cause, replace the module (see section 1.14.5 of the BIGLA30-T service manual). I. Replace the SIB (see section 1.14.2 of the BIGLA30-T service manual). J. Ensure the high-limit thermostat is not open. The high limit is attached to J1 connector, pins 3 and 4 on the SIB board. If the high limit is open replace the high limit (see section 1.14.4 of the BIGLA30-T service manual).	8263468 High Limit Gas – 8261177 High Limit Elec – 8262454 FV 8262456 DV	 1.0 1.0	
E29	TOP OFF PROBE FAILURE - CALL SERVICE	ATO (Automatic Top Off) RTD reading out of range. A. Shorted or Open ATO RTD probe. B. Bad Connection	A. With ATO probe **covered in oil**, press the "?" button. Press the down arrow. Press Software Version. Press the down arrow and ensure the actual vat temperature and ATO RTD temperature are within ± 10C. If temperature reading is missing, unplug the ATO probe from the J3	ATO Probe 8263286 Gas 8263544 Elec	1.5	9/16" socket 7/16" wrench Multi-meter

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			connector on the SIB board and check ATO probe resistance. Check resistance of probe against the chart in section 1.17 of the BIGLA30-T service manual, if defective replace the probe (see section 1.14.4 of the BIGLA30-T service manual). B. Ensure ATO probe is connected properly to J3 connector on the SIB board. Ensure that the connector is terminated properly.			
E32	DRAIN VALVE NOT OPEN - FILTRATION AND TOP OFF DISABLED - CALL SERVICE	Drain valve was trying to open and confirmation of position is missing. A. Actuator is disconnected or has failed. B. Valve Interface Board (VIB)/Filtration Interface Board (FIB) has lost	A. Ensure the actuator is properly connected and functioning. Use the component check to check function of actuator in section 1.5 of the BIGLA30-T service manual. 1) If actuator doesn't function ensure the actuator is plugged into the proper connection on the VIB board (J5 for FV or Right DV drain and J6 for Left DV drain (see section 1.21 of the BIGLA30-T service manual)).	Actuator – Blue 8075809 Actuator – Black 8075808 VIB Board – 1085996SP Power Supply - 8075855 FIB Board - 1086575	1.5 1.5 2.0 1.5 2.0	Allen head wrench 3/32" 6 and 1 driver ¼" and 5/16" nut Multi-meter driver 6 and 1 driver

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		power or failed. C. Power supply failed.	2) Test the actuator by plugging into another connector. If the actuator operates, replace the VIB board (see section 1.21.3 of the BIGLA30-T service manual). 3) Reset power to the fryer. If it still doesn't operate, replace the actuator (see section 1.21.4 of the BIGLA30-T service manual). B. Ensure that the VIB and FIB board software versions are present to indicate communication. Press the "?" button. Press the down arrow. Press Software Version. Press the down arrow and ensure the VIB and FIB software versions have some number other than all zeros. 1) Ensure the LED 4 indicating 24VDC is illuminated on the FIB board. The test point next to it should read 24VDC (see section 1.18.5 of the BIGLA30-T service			

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			manual). If not replace the FIB board. C. Ensure power supply is functioning correctly in FIB box with 24VDC exiting the power supply, if not replace the power supply (see section 1.18.5 of the BIGLA30-T service manual).			
E33	DRAIN VALVE NOT CLOSED - FILTRATION AND TOP OFF DISABLED - CALL SERVICE	Drain valve was trying to close and confirmation is missing. See explanation for event E32.	See troubleshooting for event E32 for corrective actions.	Actuator – Blue 8075809 Actuator – Black 8075808 VIB Board – 1085996SP Power Supply - 8075855 FIB Board - 1086575	1.5 1.5 2.0 1.5 2.0	Allen head wrench 3/32” 6 and 1 driver ¼” and 5/16” nut driver Multi-meter 6 and 1 driver
E34	RETURN VALVE NOT OPEN - FILTRATION AND TOP OFF DISABLED - CALL SERVICE	Return valve was trying to open and confirmation is missing. A. Actuator is disconnected or has failed. B. Valve Interface Board	A. Ensure the actuator is properly connected and functioning. Use the component check to check function of actuator in section 1.5 of the BIGLA30-T service manual. 1) If actuator doesn’t function ensure the actuator is plugged into the proper connection (J7 for FV or Right DV return,	Actuator – Blue 8075809 Actuator – Black 8075808 VIB Board – 1085996SP Power Supply - 8075855 FIB Board - 1086575	1.5 1.5 2.0 1.5 2.0	Allen head wrench 3/32” 6 and 1 driver ¼” and 5/16” nut driver Multi-meter & 6 and 1 driver

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		(VIB)/Filtration Interface Board (FIB) has lost power or failed. C. Power supply failed.	J8 for Left DV return) (see section 1.21 of the BIGLA30-T service manual)). 2) See additional troubleshooting steps for event E32.			
E35	RETURN VALVE NOT CLOSED - FILTRATION AND TOP OFF DISABLED - CALL SERVICE	Return valve was trying to close and confirmation is missing. See explanation for event E34 above.	See troubleshooting for event E34.	Actuator – Blue 8075809 Actuator – Black 8075808 VIB Board – 1085996SP Power Supply - 8075855 FIB Board - 1086575	1.5 1.5 2.0 1.5 2.0	Allen head wrench 3/32” 6 and 1 driver ¼” and 5/16” nut driver Multi-meter 6 and 1 driver
E36	VALVE INTERFACE BOARD FAILURE - FILTRATION AND TOP OFF DISABLED - CALL SERVICE	A. No power to the VIB board. B. VIB board failure.	A. Press the “?” button on the bottom of the controller associated with the event. Press the down arrow. Press the Software version button. Initializing is displayed. Once the versions are displayed ensure the VIB software version is displayed and the software version has some number other than all zeros. Ensure the 6-pin P-Bus cable is	VIB Board – 1085996SP Power Supply - 8075855 FIB Board – 1086575 Cable –FIB to VIB 8075810 Cable –SIB to VIB 8075555	2.0 1.5 2.0 .50 .50	6 and 1 driver ¼” and 5/16” nut driver Multi-meter 6 and 1 driver

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			securely connected to the pin J2 connector on the VIB board (see section 1.21 of the BIGLA30-T service manual). Ensure the other end of the cable is securely attached to the J9 or J10 connector of the SIB board in the component box (see section 1.8 of the BIGLA30-T service manual). Ensure the J3 and J4 cables are securely connected (see section 1.21 of the BIGLA30-T service manual). Ensure the LED 4 indicating 24VDC is illuminated on the FIB board. The test point next to it should read 24VDC (see section 1.18.5 of the BIGLA30-T service manual). If not replace the FIB board. If voltage is present at the FIB board but not on the VIB board, replace the cable between the SIB and VIB boards. B. If replacing the cable between the FIB and VIB boards doesn't correct the issue, the VIB board may have failed.			

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			Replace the VIB board (see section 1.21.3 of the BIGLA30-T service manual).			
E37	AUTOMATIC INTERMITTENT FILTRATION PROBE FAILURE - FILTRATION DISABLED - CALL SERVICE	A. AIF (VIB Probe) RTD reading out of range. B. Bad Connection. C. Problem with VIB probe.	A. Press the "?" button on the bottom of the controller associated with the probe. Press the down arrow. Press the Software version button. Initializing is displayed. Once the versions are displayed press the down button. Compare Actual Vat Temp to the AIF RTD TEMP displayed. If the temperature is missing or there is a large difference between temperatures go to the next step. B. Ensure the 20-pin harness is securely connected to the J1 connector on the (AIF) VIB board (see section 1.21 of the BIGLA30-T service manual). Ensure that the (AIF) VIB probe pins are secured in pins 1-4 of the J1 connector. C. Check resistance of the probe against the chart in section 1.17 of the BIGLA30-T service manual, if defective replace the probe (see	AIF (VIB Probe) RTD 8263287	1.5	9/16" socket 7/16" wrench Multi-meter

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			section 1.14.4 of the BIGLA30-T service manual).			
E39	CHANGE FILTER PAD	25 hour timer has expired or dirty filter logic has activated.	Change the filter pad or paper.			
E41	No message is displayed but the event is present in the event log.	The system detects that oil may be present in the filter pan. A. Plugged or dirty filter pad. B. Pre-filter may be plugged. C. Worn O-rings. D. Filter pump issues.	Remove the filter pan and check for oil. If oil exists follow the prompts on the controller to return the oil or use the filter menu and select fill vat from drain pan. A. If the oil cannot be returned, check for a plugged filter or other obstruction (see section 1.15.5 of the BIGLA30-T service manual)). The filter may need to be changed. B. Clean the pre-filter (see section 1.15.5 of the BIGLA30-T service manual). C. Ensure the O-rings are present and in good condition on the pick-up tube (see section 5.2 of the BIGLA30-T IO manual). D. Ensure the filter pump is working (see section 1.15.5 of the BIGLA30-T service manual). If the filter pump motor or filter pump needs	O-Ring 8263288 Filter Pump - 8263191 4gpm Gas 8263192 8gpm Elec Filter Pump Motor - 8261785	.25 1.5 1.5	6 and 1 driver 7/16” socket 7/16” wrench

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			replaced (see section 1.14.11 of the BIGLA30-T service manual).			
E42	CLOGGED DRAIN (Gas)	Vat did not empty during filtration. A. Debris has clogged the drain valve. B. Dirty OIB sensor.	A. Use the fryers friend to clear debris from the drain valve. B. Ensure the OIB sensor is clean (see section 6.6.2 of the BIGLA30-T IO manual).		.5	Wire brush, scraper
E43	OIL SENSOR FAILURE - CALL SERVICE	OIB oil sensor may have failed or didn't detect the change between oil and air.	A. Ensure the OIB sensor is clean (see section 6.6.2 of the BIGLA30-T IO manual). If so, and the issue continues, ensure the OIB sensor is working (see section 1.21.5 and 1.21.5.1 of the BIGLA30-T service manual). If the OIB sensor is not working the OIB sensor may have failed, replace the OIB sensor (see section 1.14.3 of the BIGLA30-T service manual).	OIB Sensor - 1085578SP	2.0	7/8" deep socket with slot #8150386
E44	RECOVERY FAULT	Recovery time exceeded maximum time limit.	Acknowledge by pressing the check button. Ensure the operator is not adding oil/shortening to the vat during the recovery check, which is when the fryer temperature is heating between 250ºF to 300ºF			

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			(121ºC to 149ºC). If so turn the fryer off, let the fryer cool below 250ºF (121ºC) and then power back up to run another recovery check.			
E45	RECOVERY FAULT – CALL SERVICE	Recovery time exceeded maximum time limit for three or more consecutive E44 recovery faults cycles.	Acknowledge by pressing the check button. Reset the error by pressing the Home button, then the Service button, then the next Service button. Enter 1650. Press Tech Modes. Press Resets. Press Recovery Fault Call Service. Press Yes at Confirm prompt. Controller displays Reset completed successfully. Press the Check button. Press the home button to exit. Recovery time – is a method of measuring a fryer's performance. It is the time required for the fryer to increase the oil temperature from 250ºF to 300ºF (121ºC to 149ºC). 1) Press the "?" button on the bottom of the controller associated with the event. Press the Recovery button. The maximum gas recovery time should be 3:15 or		1.0	6 and 1 Driver Micro-amp meter Gas pressure measuring device

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			below. 2) Ensure the operator is not adding oil/shortening to the vat during the recovery check, which is when the fryer temperature is heating between 250ºF to 300ºF (121ºC to 149ºC). If so turn the fryer off, let the fryer cool below 250ºF (121ºC) and then power back up to run another recovery check. 3) Check that fryer is heating properly. If gas, check the gas pressure. Ensure the gas pressure matches the pressure on the rating plate. Check micro-amps, ensure the flame sensor wire is secure and properly measuring the flame current (see section 1.13 of the BIGLA30-T service manual). Check flame color (see section 1.14.8 of the BIGLA30-T service manual). If electric, ensure the correct			

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			voltage is at the receptacle and matches the rating plate. Ensure the power cords are completely seated into the receptacle.			
E46	SYSTEM INTERFACE BOARD 1 MISSING - CALL SERVICE	A. SIB board 1 communication lost. B. Board failure.	A. Press the "?" button on the bottom of the controller associated with the event. Press the down arrow. Press the Software version button. Initializing is displayed. Once the versions are displayed ensure the software version displayed for SIB 1 is something other than all zeros. If all zeros are displayed check the CAN connections between the missing board and other boards (see section 1.24.4 of the BIGLA30-T service manual). Ensure all cables are securely connected. If communication is still not restored after checking cables, replace the cables. B. If no LED's are illuminated the SIB board may have failed. Replace the SIB board	SIB board – 8263468 Cable SIB1 to SIB2 – 8075553 Cable SIB1 to SIB1 – 8075549	2.0 .50 .50	6 and 1 driver

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			(see section 1.14.2 of the BIGLA30-T service manual).			
E51	DUPLICATE BOARD ID - CALL SERVICE	Two or more controllers have the same location ID.	Ensure the locator plug on each controller has the correct pin configuration. See wiring diagram 8052002 in section 1.24.4 of the BIGLA30-T service manual) for pin location.		1.25	Pin tool # 2302345
E53	CAN BUS ERROR - CALL SERVICE	Communication lost between boards.	Press the "?" button on the bottom of the controller associated with the event. Press the down arrow. Press the Software version button. Initializing is displayed. Once the versions are displayed ensure all the software versions are displayed. If one has all zeros displayed, check the CAN connections between the missing board and other boards (see section 1.24.4 of the BIGLA30-T service manual).	Cable –SIB to FIB 8075551 Cable SIB1 to SIB1 – 8075549	.50	6 and 1 driver
E55	SYSTEM INTERFACE BOARD 2 MISSING - CALL SERVICE	A. SIB board 2 connections lost. B. Board failure.	A. Press the "?" button on the bottom of the controller associated with the event. Press the down arrow. Press the Software version button. Initializing is displayed. Once the versions are displayed ensure the software version displayed for SIB 2 is some	SIB board – 8263468 Cable SIB1 to SIB2 – 8075553 Cable SIB1 to SIB1 – 8075549	2.0 .50 .50	6 and 1 driver

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			number other than all zeros. If all zeros, ensure the cable from the SIB2 to SIB1 is securely connected. Check CAN connections between the missing board and other boards. Ensure all cables are securely connected. If communication is still not restored after checking cables, replace the cables. B. If no LED's are illuminated the SIB board may have failed. Replace the SIB board (see section 1.14.2 of the BIGLA30-T service manual).			
E61	MISCONFIGURED ENERGY TYPE	The controller is configured for the incorrect energy type.	Set the correct energy type in Settings – Service.		.25	
E62	VAT NOT HEATING CHECK ENERGY SOURCE	The vat is not heating on initial startup.	1) Press the power button to acknowledge. 2) Ensure the gas line is connected to the fryer. 3) On gas fryers ensure both the internal and external gas valves are in the ON position. 4) On gas fryers ensure any gas shut-off is turned ON. 5) On gas fryers verify that any			

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			quick disconnect is properly connected. 6) On gas fryers ensure any air blowers are operating. See E25 troubleshooting. 7) On electric ensure the three phase power is connected and reset breakers are on. 8) On electric fryers ensure the correct voltage at the receptacle matches the rating plate and that the power cords are completely seated into the receptacle. 9) Ensure the fryer is heating properly.			
E63	No message is displayed but the event is present in the event log.	Rate of rise event occurred during a recovery test.	1) Ensure the vat is full of oil and the oil level is not low. Ensure the oil level is at the low oil level line. If using solid shortening ensure the shortening is packed down into the cold zone of the fryer and is at the low oil level line. 2) On electric fryers ensure the correct voltage at the receptacle matches the rating plate. 3) On electric fryers ensure the temperature probe is not touching the elements.		.50	Multi-meter

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E64	FILTRATION INTERFACE BOARD FAILURE - FILTRATION AND TOP OFF DISABLED - CALL SERVICE	A. Filtration Interface Board connections lost. B. Board failure.	A. Press the "?" button on the bottom of the controller associated with the event. Press the down arrow. Press the Software version button. Initializing is displayed. Once the versions are displayed ensure the FIB software version is displayed with some number other than all zeros. Ensure communication cable is secured in the J3 connector of the FIB board (see section 1.18.5 of the BIGLA30-T service manual). Ensure the other end is secure in J7 of the SIB board (see section 1.8 of the BIGLA30-T service manual). Ensure the terminator plug is securely seated into the J4 connector on the FIB board (see section 1.18.5 of the BIGLA30-T service manual). Ensure the harness is secured to the J1 connector on the FIB board (see section 1.18.5 of the BIGLA30-T service manual).	Cable –SIB to FIB 8075551 FIB Board – 1086575 Power Supply - 8075855 CAN Terminator- 8075632	.50 2.0 1.5 .50	6 and 1 driver 6 and 1 driver ¼" and 5/16" nut driver Multi-meter

EVENT CODE	EVENT MESSAGE	EXPLANATION	CORRECTIVE ACTION	PARTS TO CARRY ON SERVICE CALL	TIME ALLOWED (HRS)	POSSIBLE TOOLS NEEDED
			LED 4 should be illuminated. If not, check pins 1 and 2 of J1 at the FIB board, should read 24 VDC (see section 1.18.5 of the BIGLA30-T service manual). B. If no LED's are illuminated the power supply or board may have failed. Replace the power supply or the FIB board (see section 1.18.5 of the BIGLA30-T service manual).			
E65	CLEAN OIB SENSOR – XXX F OR XXX C - CALL SERVICE or OIL LEVEL NOT DETECTED	Gas -The oil is back sensor does not detect oil.	Ensure the OIB sensor is clean. Clean oil sensor (see section 6.6.2 in BIGLA30-T IO manual). If sensor is clean and the error continues, troubleshoot the time delay relay board. If the time delay relay board is functional, troubleshoot the OIB relay. If so, and the issue continues, ensure the OIB sensor is working (see section 1.21.5 and 1.21.5.1 of the BIGLA30-T service manual). If the OIB sensor is not working the OIB sensor may have failed, replace the OIB sensor (see section 1.14.3 of the BIGLA30-T service manual). **See E43.**	Time Delay Relay Board-8075731 OIB Relay - 8075623 OIB Sensor – 1085578 SP	1.0 1.0 2.0	Wire brush, scraper 6 and 1 driver Multi-meter 7/8" deep socket with slot #8150386

EVENT CODE	EVENT MESSAGE	EXPLANATION	CORRECTIVE ACTION	PARTS TO CARRY ON SERVICE CALL	TIME ALLOWED (HRS)	POSSIBLE TOOLS NEEDED
E67	SYSTEM INTERFACE BOARD NOT CONFIGURED - CALL SERVICE	The SIB board is not configured.	Replace the SIB board (see section 1.14.2 of the BIGLA30-T service manual).	SIB board – 8263468	2.0	6 and 1 driver
E68	OIB FUSE TRIPPED – CALL SERVICE	The VIB board OIB fuse has tripped and didn't reset.	OIB fuse on VIB board failed. Wait for 30 minutes to see if thermal fuse resets. If not, replace the VIB board Replace the VIB board (see section 1.21.3 of the BIGLA30-T service manual).	VIB Board – 1085996SP	2.0	6 and 1 driver
E69	RECIPES NOT AVAILABLE – CALL SERVICE	The controller has not been programmed with product recipes.	Replace controller with factory programmed controller (see section 1.14.1 of the BIGLA30-T service manual).	Controller - 8263658	2.0	6 and 1 driver
E70-E76	OQS Errors Non-Applicable to Japan	N/A	N/A	N/A	N/A	N/A