

## Diagnostics catalogue Truma Combi

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| <b>Fault No.:</b>  | <b>0004</b>   |
| Flashing code:     | ssss slss   |
| <b>Fault No.:</b>  | <b>0005</b>   |
| Flashing code:     | ssss slsl   |
| Fault description: | Combustion air motor current too low  |
| 1. Action:         | Check / replace combustion air motor  |
| 2. Action:         | Check / replace cable harness   |
| <b>Fault No.:</b>  | <b>0006</b>   |
| Flashing code:     | ssss slls   |
| Fault description: | Combustion air motor current too high   |
| 1. Action:         | Check / replace combustion air motor  |
| 2. Action:         | Check / replace cable harness   |
| <b>Fault No.:</b>  | <b>0008</b>   |
| Flashing code:     | ssss lsss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0010</b>   |
| Flashing code:     | ssss lsll   |
| Fault description: | Combustion air temperature sensor out of tolerance  |
| 1. Action:         | Check / replace combustion air thermostat plate and cable harness   |
| <b>Fault No.:</b>  | <b>0011</b>   |
| Flashing code:     | ssss lsll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0015</b>   |
| Flashing code:     | ssss llll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0016</b>   |
| Flashing code:     | sssl ssss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0017</b>   |
| Flashing code:     | sssl sssl   |
| Fault description: | Warning Water overheat condition  |
| 1. Action:         | Switch off heater and allow it to cool down. Fill boiler with water   |
| 2. Action:         | Inspect the individual discharge openings / remove blockage to circulated air intake  |
| 3. Action:         | Inspect heater for frost damage   |
| <b>Fault No.:</b>  | <b>0018</b>   |
| Flashing code:     | sssl sssl   |
| Fault description: | Warning Air overheat condition  |
| 1. Action:         | Inspect the individual discharge openings / remove blockage to circulated air intake  |
| <b>Fault No.:</b>  | <b>0019</b>   |

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| Flashing code:     | sssl ssll   |
| Fault description: | Electronics do not match the heater (e.g. 6 kW PCB in 4 kW heater)  |
| 1. Action:         | Use the correct electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0020</b>   |
| Flashing code:     | sssl slss   |
| Fault description: | Water temperature sensor out of tolerance   |
| 1. Action:         | Replace water temperature monitoring cable harness  |
| <b>Fault No.:</b>  | <b>0021</b>   |
| Flashing code:     | sssl slsl   |
| Fault description: | Room temperature sensor out of tolerance  |
| 1. Action:         | Check cable for room temperature sensor and plug connections  |
| 2. Action:         | Check (measure) / replace room temperature sensor 15 °C 16.2 kOhm 20 °C 12.6 kOhm 25 °C 10.0 kOhm   |
| <b>Fault No.:</b>  | <b>0022</b>   |
| Flashing code:     | sssl sls  |
| Fault description: | Air temperature sensor out of tolerance   |
| 1. Action:         | Replace thermostat plate kit LTF  |
| <b>Fault No.:</b>  | <b>0023</b>   |
| Flashing code:     | sssl slll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0024</b>   |
| Flashing code:     | sssl lsss   |
| Fault description: | Risk of low voltage. Battery voltage too low < 10.4 V   |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| <b>Fault No.:</b>  | <b>0025</b>   |
| Flashing code:     | sssl lssl   |
| Fault description: | Circulating air motor current too low   |
| 1. Action:         | Check circulating air motor plug connection   |
| 2. Action:         | Replace circulating air motor   |
| <b>Fault No.:</b>  | <b>0026</b>   |
| Flashing code:     | sssl ls   |
| Fault description: | Circulating air motor current too high  |
| 1. Action:         | Replace circulating air motor   |
| <b>Fault No.:</b>  | <b>0028</b>   |
| Flashing code:     | sssl llss   |
| Fault description: | Control panel or control panel cable defective  |
| 1. Action:         | Check / replace control panel cable   |
| 2. Action:         | Replace control panel   |
| <b>Fault No.:</b>  | <b>0029</b>   |
| Flashing code:     | sssl llsl   |
| Fault description: | FrostControl heating element current too high   |
| 1. Action:         | Replace heating element   |
| <b>Fault No.:</b>  | <b>0030</b>   |
| Flashing code:     | sssl llsls  |
| Fault description: | 2 KW solenoid valve pickup coil current too high  |
| 1. Action:         | Replace cable harness   |
| <b>Fault No.:</b>  | <b>0031</b>   |
| Flashing code:     | sssl llsl   |
| Fault description: | 4 KW solenoid valve pickup coil current too high  |
| 1. Action:         | Replace cable harness   |

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| <b>Fault No.:</b>  | <b>0032</b>   |
| Flashing code:     | ssls ssss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0033</b>   |
| Flashing code:     | ssls sssl   |
| Fault description: | 2 KW solenoid valve holding coil current too high   |
| 1. Action:         | Replace cable harness   |
| <b>Fault No.:</b>  | <b>0034</b>   |
| Flashing code:     | ssls ssls   |
| Fault description: | 4 KW solenoid valve holding coil current too high   |
| 1. Action:         | Replace cable harness   |
| <b>Fault No.:</b>  | <b>0035</b>   |
| Flashing code:     | ssls ssll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0036</b>   |
| Flashing code:     | ssls slss   |
| Fault description: | Ignitor current too high  |
| 1. Action:         | Replace ignitor   |
| 2. Action:         | Check / replace cable harness   |
| <b>Fault No.:</b>  | <b>0037</b>   |
| Flashing code:     | ssls slsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0038</b>   |
| Flashing code:     | ssls slll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0039</b>   |
| Flashing code:     | ssls slll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0040</b>   |
| Flashing code:     | ssls lsss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit                  |

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| 2. Action:         | or solar system.<br>Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0041</b>   |
| Flashing code:     | ssls lssl   |
| Fault description: | - Electronics blocked:<br>- Because air temperature switch and / or water temperature switch has opened during operation due to overheating<br>- Because combustion air temperature sensor signals temperatures > 215 °C  |
| 1. Action:         | - Check heat exchanger for overheating damage<br>- Check water container for frost damage<br>- Check / replace water temperature cable harness<br>- Check thermostat plate LTF for damage / replace                       |
| 2. Action:         | - Check circulating air system for blockage<br>- Check / replace circulating air motor  |
| 3. Action:         | - from software version V 03.00.00, unlock electronics with Truma Diagnose Tool<br>- up to software version V 02.99.99, replace electronics and enter heater serial number on the new electronics using the Diagnose Tool |
| <b>Fault No.:</b>  | <b>0042</b>   |
| Flashing code:     | ssls lsll   |
| Fault description: | - Window switch detects open window<br>- Bridge for window switch on Truma electronics interrupted  |
| 1. Action:         | - Close window<br>- Check / replace window switch with cable  |
| 2. Action:         | Check bridge on PCB for secure fit / contact  |
| <b>Fault No.:</b>  | <b>0043</b>   |
| Flashing code:     | ssls lsll   |
| Fault description: | 12 V power supply faulty (overvoltage)  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.   |
| <b>Fault No.:</b>  | <b>0044</b>   |
| Flashing code:     | ssls llss   |
| Fault description: | 12 V power supply faulty (low voltage)  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.   |
| <b>Fault No.:</b>  | <b>0045</b>   |
| Flashing code:     | ssls llsl   |
| Fault description: | 230 V power supply faulty   |
| 1. Action:         | Ensure 230 V power supply at appliance input  |
| 2. Action:         | - Reset / check 230 V water temperature switch<br>- Check / replace 230 V fuse on Combi 230 V electronics   |
| 3. Action:         | Replace Combi 230 V electronics   |
| <b>Fault No.:</b>  | <b>0046</b>   |
| Flashing code:     | ssls llsl   |
| Fault description: | - 1) Circulating air motor faulty 2) Combi control panel or control panel cable faulty<br>- Combi E power selector switch or control panel connecting cable   |

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faulty 3) Cable harness faulty

1. Action: Replace circulating air motor
2. Action:
  - Replace Combi control panel / control panel cable
  - Replace Combi E power selector switch or control panel connecting cable
3. Action:
  - Combustion air motor supply cable, check black cable for short circuit or red cable for breakage
  - Replace cable harness
  - Replace combustion air motor if cable harness is undamaged

**Fault No.:** **0047**  
 Flashing code: ssls llll  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0048**  
 Flashing code: ssll ssss  
 Fault description: - Fault:  
 - Because air temperature switch and / or water temperature switch has opened during operation due to overheating  
 - Because combustion air temperature sensor signals temperatures > 215 °C  
 1. Action:
 

- Check heat exchanger for overheating damage
- Check water container for frost damage
- Check / replace water temperature cable harness
- Check thermostat plate LTF for damage / replace

 2. Action:
 

- Check circulating air system for blockage
- Check / replace circulating air motor

**Fault No.:** **0049**  
 Flashing code: ssll sssl  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0050**  
 Flashing code: ssll ssls  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0051**  
 Flashing code: ssll ssll  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.

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| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0052</b>   |
| Flashing code:     | ssll slss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0053</b>   |
| Flashing code:     | ssll slsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0054</b>   |
| Flashing code:     | ssll sls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0055</b>   |
| Flashing code:     | ssll slll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0056</b>   |
| Flashing code:     | ssll lsss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0057</b>   |
| Flashing code:     | ssll lssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0058</b>   |
| Flashing code:     | ssll lsll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |

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| <b>Fault No.:</b>  | <b>0059</b>   |
| Flashing code:     | ssl lsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0060</b>   |
| Flashing code:     | ssl llss  |
| Fault description: | Power supply not constant   |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| <b>Fault No.:</b>  | <b>0061</b>   |
| Flashing code:     | ssl llsl  |
| Fault description: | Ignition spark interferes with electronics  |
| 1. Action:         | Replace ignitor   |
| 2. Action:         | Check / replace ignition electrodes   |
| <b>Fault No.:</b>  | <b>0062</b>   |
| Flashing code:     | ssl llss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0063</b>   |
| Flashing code:     | ssl llsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0064</b>   |
| Flashing code:     | slss ssss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0065</b>   |
| Flashing code:     | slss ssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0066</b>   |
| Flashing code:     | slss ssls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new  |

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electronics using the Diagnose Tool

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| <b>Fault No.:</b>  | <b>0067</b>   |
| Flashing code:     | slss ssll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0068</b>   |
| Flashing code:     | slss slss   |
| Fault description: | Ignition spark interferes with electronics  |
| 1. Action:         | Replace ignitor   |
| 2. Action:         | Check / replace ignition electrodes   |
| <b>Fault No.:</b>  | <b>0069</b>   |
| Flashing code:     | slss slsl   |
| Fault description: | Circulating air motor faulty  |
| 1. Action:         | Replace circulating air motor   |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0070</b>   |
| Flashing code:     | slss slsls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0071</b>   |
| Flashing code:     | slss sllll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0072</b>   |
| Flashing code:     | slss lsss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0073</b>   |
| Flashing code:     | slss lssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0074</b>   |
| Flashing code:     | slss lslls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |



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| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0075</b>   |
| Flashing code:     | slss lsll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0076</b>   |
| Flashing code:     | slss llss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0077</b>   |
| Flashing code:     | slss llsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0078</b>   |
| Flashing code:     | slss llss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0079</b>   |
| Flashing code:     | slss llsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0080</b>   |
| Flashing code:     | slsl ssss   |
| Fault description: | - Power supply not constant<br>- Ignition spark interferes with electronics   |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | - Replace ignitor<br>- Check / replace ignition / monitoring electrodes cable Check / adjust electrode spacings                                       |
| 3. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0081</b>   |
| Flashing code:     | slsl sssl   |

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Fault description: Ignition spark interferes with electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: - Replace ignitor  
 - Check / replace ignition / monitoring electrodes cable Check / adjust electrode spacings  
 3. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0082**  
 Flashing code: sIsI sSlS  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0083**  
 Flashing code: sIsI sSlI  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0084**  
 Flashing code: sIsI sSlS  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0085**  
 Flashing code: sIsI sIsI  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0086**  
 Flashing code: sIsI sSlS  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0087**  
 Flashing code: sIsI sSlI  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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| <b>Fault No.:</b>  | <b>0088</b>   |
| Flashing code:     | sIsI lssS   |
| Fault description: | Ignition spark interferes with electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | - Replace ignitor<br>- Check / replace ignition / monitoring electrodes cable Check / adjust electrode spacings                                       |
| 3. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0089</b>   |
| Flashing code:     | sIsI lssI   |
| Fault description: | Combustion air motor faulty   |
| 1. Action:         | Replace combustion air motor  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0090</b>   |
| Flashing code:     | sIsI lslS   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0091</b>   |
| Flashing code:     | sIsI lslI   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0092</b>   |
| Flashing code:     | sIsI llss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0093</b>   |
| Flashing code:     | sIsI llsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0094</b>   |
| Flashing code:     | sIsI llIs   |
| Fault description: | Heater gets too hot or combustion air temperature sensor shows incorrect value  |
| 1. Action:         | Check / replace combustion air thermostat plate   |
| 2. Action:         | Check heat exchanger for overheating damage (deformation, bubble formation, leaks) / replace  |
| 3. Action:         | Ensure gas supply with correct operating pressure Check / replace   |

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circulating air motor

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| <b>Fault No.:</b>  | <b>0096</b>   |
| Flashing code:     | slls ssss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0097</b>   |
| Flashing code:     | slls sssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0098</b>   |
| Flashing code:     | slls ssls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0099</b>   |
| Flashing code:     | slls ssll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0100</b>   |
| Flashing code:     | slls slss   |
| Fault description: | Short circuit at the solenoid coils   |
| 1. Action:         | Replace cable harness kit   |
| <b>Fault No.:</b>  | <b>0101</b>   |
| Flashing code:     | slls slsl   |
| Fault description: | Short circuit at the ignitor  |
| 1. Action:         | Replace ignitor   |
| 2. Action:         | Replace cable harness kit   |
| <b>Fault No.:</b>  | <b>0102</b>   |
| Flashing code:     | slls slls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0103</b>   |
| Flashing code:     | slls slll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |

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| <b>Fault No.:</b>  | <b>0104</b>   |
| Flashing code:     | slls lsss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0105</b>   |
| Flashing code:     | slls lssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0106</b>   |
| Flashing code:     | slls lsll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0107</b>   |
| Flashing code:     | slls lsll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0108</b>   |
| Flashing code:     | slls llss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0109</b>   |
| Flashing code:     | slls llsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0110</b>   |
| Flashing code:     | slls llsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0111</b>   |
| Flashing code:     | slls llsl   |

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| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0112</b>   |
| Flashing code:     | slll ssss   |
| Fault description: | - Flame out or not recognised<br>- Faulty power supply earth connection   |
| 1. Action:         | Ensure gas supply with correct operating pressure   |
| 2. Action:         | Ensure power supply earth connection  |
| 3. Action:         | - Check exhaust system<br>- Check / replace solenoid valve<br>- Check / replace ignitor<br>- Check / replace ignition electrode kit                   |
| <b>Fault No.:</b>  | <b>0113</b>   |
| Flashing code:     | slll sssl   |
| Fault description: | Ionisation voltage present in Standby mode  |
| 1. Action:         | Check / replace solenoid valve (stuck in the Open position)   |
| <b>Fault No.:</b>  | <b>0116</b>   |
| Flashing code:     | slll slss   |
| Fault description: | AC voltage components in the supply voltage   |
| 1. Action:         | Check for AC voltage components that can be generated by the power supply unit or solar system  |
| 2. Action:         | Ensure 12 V voltage under load at appliance input   |
| <b>Fault No.:</b>  | <b>0117</b>   |
| Flashing code:     | slll slsl   |
| Fault description: | AC voltage components in the supply voltage   |
| 1. Action:         | Check for AC voltage components that can be generated by the power supply unit or solar system  |
| 2. Action:         | Ensure 12 V voltage under load at appliance input   |
| <b>Fault No.:</b>  | <b>0118</b>   |
| Flashing code:     | slll slls   |
| Fault description: | Combustion air motor speed too low or out of tolerance  |
| 1. Action:         | Replace combustion air motor kit  |
| <b>Fault No.:</b>  | <b>0119</b>   |
| Flashing code:     | slll slll   |
| Fault description: | Combustion air motor speed too high or out of tolerance   |
| 1. Action:         | Replace combustion air motor kit  |
| <b>Fault No.:</b>  | <b>0120</b>   |
| Flashing code:     | slll lsss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0121</b>   |
| Flashing code:     | slll lssl   |
| Fault description: | Flame unstable during operation   |
| 1. Action:         | Ensure gas supply with correct operating pressure   |
| 2. Action:         | Ensure power supply earth connection  |
| 3. Action:         | - Check exhaust system<br>- Check / replace solenoid valve<br>- Check / replace ignitor   |

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- Check / replace ignition electrode kit

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| <b>Fault No.:</b>  | <b>0122</b>   |
| Flashing code:     | sIII lsls   |
| Fault description: | Gas supply interrupted  |
| 1. Action:         | Ensure gas supply with correct operating pressure   |
| 2. Action:         | Ensure power supply earth connection  |
| 3. Action:         | - Check exhaust system<br>- Check / replace solenoid valve<br>- Check / replace ignitor<br>- Check / replace ignition electrode kit                   |
| <b>Fault No.:</b>  | <b>0123</b>   |
| Flashing code:     | sIII lsII   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0124</b>   |
| Flashing code:     | sIII llss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0125</b>   |
| Flashing code:     | sIII llsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0126</b>   |
| Flashing code:     | sIII llIs   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0127</b>   |
| Flashing code:     | sIII llll   |
| Fault description: | - Combustion air motor faulty<br>- Cable harness faulty<br>- Fault in the electronics   |
| 1. Action:         | Replace combustion air motor  |
| 2. Action:         | Check / replace cable harness   |
| 3. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0128</b>   |
| Flashing code:     | lsss ssss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC  |

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|                    | voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0129</b>   |
| Flashing code:     | lsss sssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0130</b>   |
| Flashing code:     | lsss ssls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0131</b>   |
| Flashing code:     | lsss ssll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0133</b>   |
| Flashing code:     | lsss slsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0134</b>   |
| Flashing code:     | lsss slll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0135</b>   |
| Flashing code:     | lsss slll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0136</b>   |
| Flashing code:     | lsss lsss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |



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| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0137</b>   |
| Flashing code:     | lsss lssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0138</b>   |
| Flashing code:     | lsss lsll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0139</b>   |
| Flashing code:     | lsss lsll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0140</b>   |
| Flashing code:     | lsss llss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0141</b>   |
| Flashing code:     | lsss llsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0142</b>   |
| Flashing code:     | lsss llsls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0143</b>   |
| Flashing code:     | lsss llsls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |

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| <b>Fault No.:</b>  | <b>0144</b>   |
| Flashing code:     | lssl ssss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.   |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0145</b>   |
| Flashing code:     | lssl sssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.   |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0146</b>   |
| Flashing code:     | lssl ssls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.   |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0147</b>   |
| Flashing code:     | lssl ssll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.   |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0148</b>   |
| Flashing code:     | lssl slss   |
| Fault description: | - Electronics blocked:<br>- Because air temperature switch and / or water temperature switch has opened during operation due to overheating<br>- Because combustion air temperature sensor signals temperatures > 215 °C  |
| 1. Action:         | - Check heat exchanger for overheating damage<br>- Check water container for frost damage<br>- Check / replace water temperature cable harness<br>- Check thermostat plate LTF for damage / replace                       |
| 2. Action:         | - Check circulating air system for blockage<br>- Check / replace circulating air motor  |
| 3. Action:         | - from software version V 03.00.00, unlock electronics with Truma Diagnose Tool<br>- up to software version V 02.99.99, replace electronics and enter heater serial number on the new electronics using the Diagnose Tool |
| <b>Fault No.:</b>  | <b>0149</b>   |
| Flashing code:     | lssl slsl   |
| Fault description: | - Fault:<br>- Because air temperature switch and / or water temperature switch has opened during operation due to overheating   |

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- Because combustion air temperature sensor signals temperatures > 215 °C

1. Action:
- Check heat exchanger for overheating damage
  - Check water container for frost damage
  - Check / replace water temperature cable harness
  - Check thermostat plate LTF for damage / replace

2. Action:
- Check circulating air system for blockage
  - Check / replace circulating air motor

**Fault No.:** **0150**  
 Flashing code: lssl slls  
 Fault description: - Fault:  
 - Because air temperature switch and / or water temperature switch has opened during operation due to overheating  
 - Because combustion air temperature sensor signals temperatures > 215 °C

1. Action:
- Check heat exchanger for overheating damage
  - Check water container for frost damage
  - Check / replace water temperature cable harness
  - Check thermostat plate LTF for damage / replace

2. Action:
- Check circulating air system for blockage
  - Check / replace circulating air motor

**Fault No.:** **0160**  
 Flashing code: lsls ssss  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0161**  
 Flashing code: lsls sssl  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0162**  
 Flashing code: lsls ssls  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0163**  
 Flashing code: lsls ssll  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new

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electronics using the Diagnose Tool

|                    |   |
|--------------------|---|
| <b>Fault No.:</b>  | <b>0164</b>   |
| Flashing code:     | lSlS slss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0165</b>   |
| Flashing code:     | lSlS slSl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0166</b>   |
| Flashing code:     | lSlS slll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0167</b>   |
| Flashing code:     | lSlS sllll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0168</b>   |
| Flashing code:     | lSlS lsss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0169</b>   |
| Flashing code:     | lSlS lssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0170</b>   |
| Flashing code:     | lSlS lSlS   |
| Fault description: | - Power supply not constant<br>- Ignition spark interferes with electronics   |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | - Replace ignitor   |

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- Check / replace ignition / monitoring electrodes cable Check / adjust electrode spacings

3. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0171**  
 Flashing code: IsIs Isll  
 Fault description: Ignition spark interferes with electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: - Replace ignitor  
 - Check / replace ignition / monitoring electrodes cable Check / adjust electrode spacings

3. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0172**  
 Flashing code: IsIs llss  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0173**  
 Flashing code: IsIs llsl  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0174**  
 Flashing code: IsIs llIs  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0175**  
 Flashing code: IsIs llIl  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0176**  
 Flashing code: Isll ssss  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0177**

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| Flashing code:     | Isll sssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0178</b>   |
| Flashing code:     | Isll sssl   |
| Fault description: | Ignition spark interferes with electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | - Replace ignitor<br>- Check / replace ignition / monitoring electrodes cable Check / adjust electrode spacings                                       |
| 3. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0180</b>   |
| Flashing code:     | Isll slss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0181</b>   |
| Flashing code:     | Isll slsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0182</b>   |
| Flashing code:     | Isll sls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0183</b>   |
| Flashing code:     | Isll slll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0184</b>   |
| Flashing code:     | Isll lsss   |
| Fault description: | Heater gets too hot or combustion air temperature sensor shows incorrect value  |
| 1. Action:         | Check / replace combustion air thermostat plate   |
| 2. Action:         | Check heat exchanger for overheating damage (deformation, bubble formation, leaks) / replace  |

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|--------------------|---|
| 3. Action:         | Ensure gas supply with correct operating pressure Check / replace circulating air motor   |
| <b>Fault No.:</b>  | <b>0186</b>   |
| Flashing code:     | IsII IsIs   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0187</b>   |
| Flashing code:     | IsII IsII   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0188</b>   |
| Flashing code:     | IsII Isss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0189</b>   |
| Flashing code:     | IsII IsIs   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0190</b>   |
| Flashing code:     | IsII IsIs   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0191</b>   |
| Flashing code:     | IsII IsIII  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0192</b>   |
| Flashing code:     | IsII ssss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |

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|--------------------|---|
| <b>Fault No.:</b>  | <b>0193</b>   |
| Flashing code:     | llss sssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0194</b>   |
| Flashing code:     | llss ssls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0195</b>   |
| Flashing code:     | llss ssll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0196</b>   |
| Flashing code:     | llss slss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0197</b>   |
| Flashing code:     | llss slsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0198</b>   |
| Flashing code:     | llss slls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0199</b>   |
| Flashing code:     | llss slll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0200</b>   |
| Flashing code:     | llss lsss   |



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|--------------------|---|
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0201</b>   |
| Flashing code:     | llss lssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0202</b>   |
| Flashing code:     | llss lsls   |
| Fault description: | - Flame out or not recognised<br>- Faulty power supply earth connection   |
| 1. Action:         | Ensure gas supply with correct operating pressure   |
| 2. Action:         | Ensure power supply earth connection  |
| 3. Action:         | - Check exhaust system<br>- Check / replace solenoid valve<br>- Check / replace ignitor<br>- Check / replace ignition electrode kit                   |
| <b>Fault No.:</b>  | <b>0203</b>   |
| Flashing code:     | llss lslj   |
| Fault description: | Ionisation voltage present in Standby mode  |
| 1. Action:         | Check / replace solenoid valve (stuck in the Open position)   |
| <b>Fault No.:</b>  | <b>0206</b>   |
| Flashing code:     | llss lljs   |
| Fault description: | AC voltage components in the supply voltage   |
| 1. Action:         | Check for AC voltage components that can be generated by the power supply unit or solar system  |
| 2. Action:         | Ensure 12 V voltage under load at appliance input   |
| <b>Fault No.:</b>  | <b>0207</b>   |
| Flashing code:     | llss lljj   |
| Fault description: | AC voltage components in the supply voltage   |
| 1. Action:         | Check for AC voltage components that can be generated by the power supply unit or solar system  |
| 2. Action:         | Ensure 12 V voltage under load at appliance input   |
| <b>Fault No.:</b>  | <b>0208</b>   |
| Flashing code:     | llsl ssss   |
| Fault description: | Combustion air motor speed too low or out of tolerance  |
| 1. Action:         | Replace combustion air motor kit  |
| <b>Fault No.:</b>  | <b>0209</b>   |
| Flashing code:     | llsl sssl   |
| Fault description: | Combustion air motor speed too high or out of tolerance   |
| 1. Action:         | Replace combustion air motor kit  |
| <b>Fault No.:</b>  | <b>0210</b>   |
| Flashing code:     | llsl sssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |

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|--------------------|---|
| <b>Fault No.:</b>  | <b>0211</b>   |
| Flashing code:     | llsl ssll   |
| Fault description: | Flame unstable during operation   |
| 1. Action:         | Ensure gas supply with correct operating pressure   |
| 2. Action:         | Ensure power supply earth connection  |
| 3. Action:         | <ul style="list-style-type: none"> <li>- Check exhaust system</li> <li>- Check / replace solenoid valve</li> <li>- Check / replace ignitor</li> <li>- Check / replace ignition electrode kit</li> </ul> |
| <b>Fault No.:</b>  | <b>0212</b>   |
| Flashing code:     | llsl slss   |
| Fault description: | Gas supply interrupted  |
| 1. Action:         | Ensure gas supply with correct operating pressure   |
| 2. Action:         | Ensure power supply earth connection  |
| 3. Action:         | <ul style="list-style-type: none"> <li>- Check exhaust system</li> <li>- Check / replace solenoid valve</li> <li>- Check / replace ignitor</li> <li>- Check / replace ignition electrode kit</li> </ul> |
| <b>Fault No.:</b>  | <b>0213</b>   |
| Flashing code:     | llsl slsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.   |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0214</b>   |
| Flashing code:     | llsl slsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.   |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0215</b>   |
| Flashing code:     | llsl slll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.   |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0216</b>   |
| Flashing code:     | llsl lsss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.   |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0217</b>   |
| Flashing code:     | llsl lssl   |
| Fault description: | <ul style="list-style-type: none"> <li>- Combustion air motor faulty</li> <li>- Cable harness faulty</li> <li>- Fault in the electronics</li> </ul>   |

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| 1. Action:         | Replace combustion air motor  |
| 2. Action:         | Check / replace cable harness   |
| 3. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0218</b>   |
| Flashing code:     | lsl lsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0219</b>   |
| Flashing code:     | lsl lsll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0220</b>   |
| Flashing code:     | lsl llss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0221</b>   |
| Flashing code:     | lsl llsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0223</b>   |
| Flashing code:     | lsl llsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0224</b>   |
| Flashing code:     | lls ssss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0225</b>   |
| Flashing code:     | lls sssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |

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| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0226</b>   |
| Flashing code:     | llls ssls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0227</b>   |
| Flashing code:     | llls ssll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0228</b>   |
| Flashing code:     | llls slss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0229</b>   |
| Flashing code:     | llls slsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0230</b>   |
| Flashing code:     | llls slls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0231</b>   |
| Flashing code:     | llls slll   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0232</b>   |
| Flashing code:     | llls lsss   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |

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| <b>Fault No.:</b>  | <b>0233</b>  |
| Flashing code:     | lls lssl   |
| Fault description: | Fault in the electronics   |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool   |
| <b>Fault No.:</b>  | <b>0234</b>  |
| Flashing code:     | lls lsll   |
| Fault description: | Fault in the electronics   |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool   |
| <b>Fault No.:</b>  | <b>0235</b>  |
| Flashing code:     | lls lsll   |
| Fault description: | Fault in the electronics   |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool   |
| <b>Fault No.:</b>  | <b>0236</b>  |
| Flashing code:     | lls llss   |
| Fault description: | Fault in the electronics   |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool   |
| <b>Fault No.:</b>  | <b>0237</b>  |
| Flashing code:     | lls llsl   |
| Fault description: | Fault in the electronics   |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool   |
| <b>Fault No.:</b>  | <b>0238</b>  |
| Flashing code:     | lls llsl   |
| Fault description: | - Electronics blocked:<br>- Because air temperature switch and / or water temperature switch has opened during operation due to overheating<br>- Because combustion air temperature sensor signals temperatures > 215 °C |
| 1. Action:         | - Check heat exchanger for overheating damage<br>- Check water container for frost damage<br>- Check / replace water temperature cable harness<br>- Check thermostat plate LTF for damage / replace                      |
| 2. Action:         | - Check circulating air system for blockage<br>- Check / replace circulating air motor   |
| 3. Action:         | - from software version V 03.00.00, unlock electronics with Truma Diagnose Tool  |

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- up to software version V 02.99.99, replace electronics and enter heater serial number on the new electronics using the Diagnose Tool

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| <b>Fault No.:</b>  | <b>0239</b>   |
| Flashing code:     | llll llll   |
| Fault description: | <ul style="list-style-type: none"> <li>- Fault:</li> <li>- Because air temperature switch and / or water temperature switch has opened during operation due to overheating</li> <li>- Because combustion air temperature sensor signals temperatures &gt; 215 °C</li> </ul> |
| 1. Action:         | <ul style="list-style-type: none"> <li>- Check heat exchanger for overheating damage</li> <li>- Check water container for frost damage</li> <li>- Check / replace water temperature cable harness</li> <li>- Check thermostat plate LTF for damage / replace</li> </ul>     |
| 2. Action:         | <ul style="list-style-type: none"> <li>- Check circulating air system for blockage</li> <li>- Check / replace circulating air motor</li> </ul>  |

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| <b>Fault No.:</b>  | <b>0240</b>   |
| Flashing code:     | llll ssss   |
| Fault description: | <ul style="list-style-type: none"> <li>- Fault:</li> <li>- Because air temperature switch and / or water temperature switch has opened during operation due to overheating</li> <li>- Because combustion air temperature sensor signals temperatures &gt; 215 °C</li> </ul> |
| 1. Action:         | <ul style="list-style-type: none"> <li>- Check heat exchanger for overheating damage</li> <li>- Check water container for frost damage</li> <li>- Check / replace water temperature cable harness</li> <li>- Check thermostat plate LTF for damage / replace</li> </ul>     |
| 2. Action:         | <ul style="list-style-type: none"> <li>- Check circulating air system for blockage</li> <li>- Check / replace circulating air motor</li> </ul>  |

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| <b>Fault No.:</b>  | <b>0255</b>   |
| Flashing code:     | llll llll   |
| Fault description: | <ul style="list-style-type: none"> <li>- No connection between heater and control panel</li> <li>- Heater has no 12 V power supply</li> <li>- Control panel cable faulty</li> </ul> |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.                               |
| 2. Action:         | <ul style="list-style-type: none"> <li>- Make connection between heater and control panel</li> <li>- Check / replace control panel cable</li> </ul>                                 |

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| <b>Fault No.:</b>  | <b>0301</b>   |
| Flashing code:     | sl ssls llsl  |
| Fault description: | 12 V power supply faulty (overvoltage)  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |

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| <b>Fault No.:</b>  | <b>0302</b>  |
| Flashing code:     | sl ssls llls   |
| Fault description: | 12 V power supply faulty (low voltage)   |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit |

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|                    | or solar system.  |
| <b>Fault No.:</b>  | <b>0303</b>   |
| Flashing code:     | sl ssls llll  |
| Fault description: | Risk of low voltage. Battery voltage too low < 10.4 V   |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| <b>Fault No.:</b>  | <b>0304</b>   |
| Flashing code:     | sl ssl l ssss   |
| Fault description: | Re-ignition   |
| 1. Action:         | No action required  |
| <b>Fault No.:</b>  | <b>0305</b>   |
| Flashing code:     | sl ssl l sssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0401</b>   |
| Flashing code:     | sl lssl sssl  |
| Fault description: | Warning Water overheat condition  |
| 1. Action:         | Switch off heater and allow it to cool down. Fill boiler with water   |
| 2. Action:         | Inspect the individual discharge openings / remove blockage to circulated air intake  |
| 3. Action:         | Inspect heater for frost damage   |
| <b>Fault No.:</b>  | <b>0402</b>   |
| Flashing code:     | sl lssl ssls  |
| Fault description: | Warning Air overheat condition  |
| 1. Action:         | Inspect the individual discharge openings / remove blockage to circulated air intake  |
| <b>Fault No.:</b>  | <b>0407</b>   |
| Flashing code:     | sl lssl slll  |
| Fault description: | 230 V power supply faulty   |
| 1. Action:         | Ensure 230 V power supply at appliance input  |
| 2. Action:         | Check/replace 230 V fuse on Combi 230 V electronics   |
| 3. Action:         | Replace Combi 230 V electronics   |
| <b>Fault No.:</b>  | <b>0408</b>   |
| Flashing code:     | sl lssl lsss  |
| Fault description: | Gas supply interrupted in Mix mode  |
| 1. Action:         | Ensure gas supply with correct operating pressure   |
| 2. Action:         | Check exhaust system  |
| 3. Action:         | - Check / replace solenoid valve<br>- Check / replace ignitor<br>- Check / replace ignition electrode kit   |
| <b>Fault No.:</b>  | <b>0411</b>   |
| Flashing code:     | sl lssl lsll  |
| Fault description: | Risk of low voltage. Battery voltage too low < 10.4 V   |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| <b>Fault No.:</b>  | <b>0412</b>   |
| Flashing code:     | sl lssl llss  |
| Fault description: | - Window switch detects open window<br>- Bridge for window switch on Truma electronics interrupted  |
| 1. Action:         | - Close window  |

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- Check / replace window switch with cable

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| 2. Action:         | Check bridge on PCB for secure fit / contact  |
| <b>Fault No.:</b>  | <b>0413</b>   |
| Flashing code:     | sl lssl lsl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0414</b>   |
| Flashing code:     | sl lssl llsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0417</b>   |
| Flashing code:     | sl lsls sssl  |
| Fault description: | 12 V power supply faulty (overvoltage)  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| <b>Fault No.:</b>  | <b>0418</b>   |
| Flashing code:     | sl lsls ssls  |
| Fault description: | 12 V power supply faulty (low voltage)  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| <b>Fault No.:</b>  | <b>0420</b>   |
| Flashing code:     | sl lsls slss  |
| Fault description: | 230 V power supply faulty (overvoltage)   |
| 1. Action:         | Ensure 230 V power supply at appliance input  |
| 2. Action:         | Replace Combi 230 V electronics   |
| <b>Fault No.:</b>  | <b>0421</b>   |
| Flashing code:     | sl lsls slsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0501</b>   |
| Flashing code:     | sl llsl slsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0502</b>   |
| Flashing code:     | sl llsl slsl  |
| Fault description: | Heater gets too hot or combustion air temperature sensor shows incorrect value  |
| 1. Action:         | Check / replace combustion air thermostat plate   |
| 2. Action:         | Check heat exchanger for overheating damage (deformation, bubble  |



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| 3. Action:         | formation, leaks) / replace<br>Ensure gas supply with correct operating pressure  |
| <b>Fault No.:</b>  | <b>0503</b>   |
| Flashing code:     | sl llll slll  |
| Fault description: | Heater gets too hot or combustion air temperature sensor shows incorrect value  |
| 1. Action:         | Check / replace combustion air thermostat plate   |
| 2. Action:         | Check heat exchanger for overheating damage (deformation, bubble formation, leaks) / replace  |
| 3. Action:         | Ensure gas supply with correct operating pressure Check / replace circulating air motor   |
| <b>Fault No.:</b>  | <b>0504</b>   |
| Flashing code:     | sl llll lsss  |
| Fault description: | Combustion air temperature sensor out of tolerance  |
| 1. Action:         | Check / replace combustion air thermostat plate and cable harness   |
| <b>Fault No.:</b>  | <b>0505</b>   |
| Flashing code:     | sl llll lssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0506</b>   |
| Flashing code:     | sl llll lsls  |
| Fault description: | Combustion air motor speed out of tolerance   |
| 1. Action:         | Replace combustion air motor kit  |
| <b>Fault No.:</b>  | <b>0507</b>   |
| Flashing code:     | sl llll lsl   |
| Fault description: | Gas supply interrupted  |
| 1. Action:         | Ensure gas supply with correct operating pressure   |
| 2. Action:         | Check exhaust system  |
| 3. Action:         | - Check / replace solenoid valve<br>- Check / replace ignitor<br>- Check / replace ignition electrode kit   |
| <b>Fault No.:</b>  | <b>0508</b>   |
| Flashing code:     | sl llll llss  |
| Fault description: | Ionisation voltage present in Standby mode  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Check / replace solenoid valve (stuck in the Open position)   |
| 3. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0509</b>   |
| Flashing code:     | sl llll llsl  |
| Fault description: | Ignitor current too high  |
| 1. Action:         | Replace ignitor   |
| 2. Action:         | Check / replace cable harness   |
| <b>Fault No.:</b>  | <b>0510</b>   |
| Flashing code:     | sl llll llsls   |
| Fault description: | Solenoid valves incorrectly controlled  |
| 1. Action:         | Replace cable harness   |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0511</b>   |
| Flashing code:     | sl llll llsl  |

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Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0512**  
 Flashing code: Is ssss ssss  
 Fault description: Air temperature switch opened during operation due to overheating  
 1. Action: Check the connector latching of the contacts in plug X1  
 2. Action:
 

- Check heat exchanger for overheating damage
- Check water container for frost damage
- Check temperature monitoring cable harness for damage, replace if necessary

**Fault No.:** **0513**  
 Flashing code: Is ssss sssl  
 Fault description: Water temperature switch opened during operation due to overheating  
 1. Action: Check the connector latching of the contacts in plug X1  
 2. Action:
 

- Check heat exchanger for overheating damage
- Check water container for frost damage
- Check / replace water temperature sensor cable harness

**Fault No.:** **0514**  
 Flashing code: Is ssss ssls  
 Fault description: Fault due to power interruption during operation  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Check / replace temperature monitoring cable harness  
 3. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

**Fault No.:** **0515**  
 Flashing code: Is ssss ssll  
 Fault description: Combustion air motor speed out of tolerance  
 1. Action: Replace combustion air motor kit

**Fault No.:** **0516**  
 Flashing code: Is ssss slss  
 Fault description: Gas supply interrupted  
 1. Action: Ensure gas supply with correct operating pressure  
 2. Action: Check exhaust system  
 3. Action:
 

- Check / replace solenoid valve
- Check / replace ignitor
- Check / replace ignition electrode kit

**Fault No.:** **0517**  
 Flashing code: Is ssss slsl  
 Fault description: Gas supply interrupted  
 1. Action: Ensure gas supply with correct operating pressure  
 2. Action: Check exhaust system  
 3. Action:
 

- Check / replace solenoid valve
- Check / replace ignitor
- Check / replace ignition electrode kit

**Fault No.:** **0520**  
 Flashing code: Is ssss lsss  
 Fault description: Fault in the electronics

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1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.
2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0521**  
 Flashing code: Is ssss lssl  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  
 2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0522**  
 Flashing code: Is ssss lsls  
 Fault description: Combustion air motor speed out of tolerance  
 1. Action: Replace combustion air motor kit

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**Fault No.:** **0523**  
 Flashing code: Is ssss lsll  
 Fault description: Ignitor current too high  
 1. Action: Replace ignitor  
 2. Action: Check / replace cable harness

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**Fault No.:** **0524**  
 Flashing code: Is ssss llss  
 Fault description: Combustion air motor short circuit  
 1. Action: Check / replace combustion air motor  
 2. Action: Check / replace cable harness

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**Fault No.:** **0525**  
 Flashing code: Is ssss llsl  
 Fault description: Combustion air motor current too high  
 1. Action: Check / replace combustion air motor  
 2. Action: Check / replace cable harness

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**Fault No.:** **0526**  
 Flashing code: Is ssss llss  
 Fault description: Combustion air motor current too low  
 1. Action: Check / replace combustion air motor  
 2. Action: Check / replace cable harness

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**Fault No.:** **0527**  
 Flashing code: Is ssss llsl  
 Fault description: Ignitor current too low  
 1. Action: Replace ignitor  
 2. Action: Check / replace cable harness

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**Fault No.:** **0528**  
 Flashing code: Is sssl ssss  
 Fault description: 2 KW solenoid coil current too high  
 1. Action: Replace cable harness

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**Fault No.:** **0529**  
 Flashing code: Is sssl sssl  
 Fault description: 4 KW solenoid coil current too high  
 1. Action: Replace cable harness

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**Fault No.:** **0530**  
 Flashing code: Is sssl sssl  
 Fault description: Safety valve solenoid coil current too high  
 1. Action: Replace cable harness

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**Fault No.:** **0531**  
 Flashing code: Is sssl sssl  
 Fault description: Fault in the electronics  
 1. Action: Ensure 12 V voltage under load at appliance input and check for AC

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|                    | voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0532</b>   |
| Flashing code:     | Is sssl slss  |
| Fault description: | 2 KW solenoid coil current too high   |
| 1. Action:         | Replace cable harness   |
| <b>Fault No.:</b>  | <b>0533</b>   |
| Flashing code:     | Is sssl slsl  |
| Fault description: | 4 KW solenoid coil current too high   |
| 1. Action:         | Replace cable harness   |
| <b>Fault No.:</b>  | <b>0534</b>   |
| Flashing code:     | Is sssl slIs  |
| Fault description: | Safety valve solenoid coil current too high   |
| 1. Action:         | Replace cable harness   |
| <b>Fault No.:</b>  | <b>0535</b>   |
| Flashing code:     | Is sssl slII  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0536</b>   |
| Flashing code:     | Is sssl lsss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0537</b>   |
| Flashing code:     | Is sssl lssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0538</b>   |
| Flashing code:     | Is sssl slIs  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0539</b>   |
| Flashing code:     | Is sssl slII  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0601</b>   |
| Flashing code:     | Is slsl lssl  |

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| <p>Fault description:<br/>1. Action:</p>  | <p>Fault in the electronics<br/>Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.</p>   |
| <p>2. Action:</p>   | <p>Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool</p>   |
| <p><b>Fault No.:</b><br/>Flashing code:<br/>Fault description:<br/>1. Action:</p> | <p><b>0602</b><br/>Is slsl lsls<br/>Fault in the electronics<br/>Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.</p>  |
| <p>2. Action:</p>   | <p>Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool</p>   |
| <p><b>Fault No.:</b><br/>Flashing code:<br/>Fault description:</p>                | <p><b>0603</b><br/>Is slsl lslI<br/>- Electronics blocked:<br/>- Because air temperature switch and / or water temperature switch has opened during operation due to overheating<br/>- Because combustion air temperature sensor signals temperatures &gt; 215 °C</p>   |
| <p>1. Action:</p>   | <ul style="list-style-type: none"> <li>- Check heat exchanger for overheating damage</li> <li>- Check water container for frost damage</li> <li>- Check / replace water temperature cable harness</li> <li>- Check thermostat plate LTF for damage / replace</li> </ul> |
| <p>2. Action:</p>   | <ul style="list-style-type: none"> <li>- Check circulating air system for blockage</li> <li>- Check / replace circulating air motor</li> </ul>  |
| <p>3. Action:</p>   | <p>Unlock software version with Truma Diagnose Tool</p>   |
| <p><b>Fault No.:</b><br/>Flashing code:<br/>Fault description:<br/>1. Action:</p> | <p><b>0604</b><br/>Is slsl llss<br/>Fault in the electronics<br/>Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.</p>  |
| <p>2. Action:</p>   | <p>Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool</p>   |
| <p><b>Fault No.:</b><br/>Flashing code:<br/>Fault description:</p>                | <p><b>0605</b><br/>Is slsl llsl<br/>- Fault:<br/>- Because air temperature switch and / or water temperature switch has opened during operation due to overheating<br/>- Because combustion air temperature sensor signals temperatures &gt; 215 °C</p>                 |
| <p>1. Action:</p>   | <ul style="list-style-type: none"> <li>- Check heat exchanger for overheating damage</li> <li>- Check water container for frost damage</li> <li>- Check / replace water temperature cable harness</li> <li>- Check thermostat plate LTF for damage / replace</li> </ul> |
| <p>2. Action:</p>   | <ul style="list-style-type: none"> <li>- Check circulating air system for blockage</li> <li>- Check / replace circulating air motor</li> </ul>  |
| <p><b>Fault No.:</b><br/>Flashing code:<br/>Fault description:</p>                | <p><b>0606</b><br/>Is slsl llIs<br/>Fault in the electronics</p>  |

## Diagnostics catalogue Truma Combi

1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.
2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0607**  
 Flashing code: Is slsl llll  
 Fault description: Maximum number of fault resets reached The appliance is blocked if there are more than 4 fault resets within 15 minutes.

1. Action: Press the button (Service) on the electronics. Use Diagnose Tool to read out and remedy faults that caused the block.

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**Fault No.:** **0608**  
 Flashing code: Is slls ssss  
 Fault description: CP Plus initialisation does not match the heater

1. Action: Reinitialise CP Plus

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**Fault No.:** **0609**  
 Flashing code: Is slls sssl  
 Fault description: Fault in the electronics

1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.

2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0610**  
 Flashing code: Is slls ssls  
 Fault description: Fault in the electronics

1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.

2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0611**  
 Flashing code: Is slls ssll  
 Fault description: Fault in the electronics

1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.

2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0612**  
 Flashing code: Is slls slss  
 Fault description: Fault in the electronics

1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.

2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0613**  
 Flashing code: Is slls slsl  
 Fault description: Fault in the electronics

1. Action: Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.

2. Action: Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool

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**Fault No.:** **0614**  
 Flashing code: Is slls slls  
 Fault description: Fault in the electronics

## Diagnosics catalogue Truma Combi

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| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool   |
| <b>Fault No.:</b>  | <b>0615</b>  |
| Flashing code:     | Is slls slll   |
| <b>Fault No.:</b>  | <b>0616</b>  |
| Flashing code:     | Is slls lsss   |
| <b>Fault No.:</b>  | <b>0617</b>  |
| Flashing code:     | Is slls lssl   |
| Fault description: | Electronics blocked: Because combustion air temperature sensor signals temperatures > 215 °C   |
| 1. Action:         | <ul style="list-style-type: none"> <li>- Check heat exchanger for overheating damage</li> <li>- Check water container for frost damage</li> <li>- Check combustion air temperature sensor thermostat plate for damage / replace</li> </ul> |
| 2. Action:         | <ul style="list-style-type: none"> <li>- Check circulating air system for blockage</li> <li>- Check / replace circulating air motor</li> </ul>   |
| 3. Action:         | Unlock electronics with Truma Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0619</b>  |
| Flashing code:     | Is slls lsl  |
| Fault description: | Water temperature sensor out of tolerance  |
| 1. Action:         | Replace water temperature monitoring cable harness   |
| <b>Fault No.:</b>  | <b>0620</b>  |
| Flashing code:     | Is slls llss   |
| Fault description: | Air temperature sensor out of tolerance  |
| 1. Action:         | Check / replace temperature monitoring cable harness   |
| <b>Fault No.:</b>  | <b>0621</b>  |
| Flashing code:     | Is slls llsl   |
| Fault description: | Room temperature sensor out of tolerance   |
| 1. Action:         | Check cable for room temperature sensor and plug connections   |
| 2. Action:         | Check (measure) / replace room temperature sensor 15 °C 16.2 kOhm 20 °C 12.6 kOhm 25 °C 10.0 kOhm  |
| <b>Fault No.:</b>  | <b>0622</b>  |
| Flashing code:     | Is slls llis   |
| Fault description: | Control panel or control panel cable defective   |
| 1. Action:         | Check / replace control panel cable  |
| 2. Action:         | Replace control panel  |
| 3. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool   |
| <b>Fault No.:</b>  | <b>0623</b>  |
| Flashing code:     | Is slls llil   |
| Fault description: | Heater is energised when switched on   |
| 1. Action:         | Switch heater off and on again   |
| <b>Fault No.:</b>  | <b>0624</b>  |
| Flashing code:     | Is slll ssss   |
| Fault description: | FrostControl heating element current too high  |
| 1. Action:         | Replace heating element  |
| <b>Fault No.:</b>  | <b>0625</b>  |
| Flashing code:     | Is slll sssl   |
| Fault description: | Fault in the electronics   |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new   |

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electronics using the Diagnose Tool

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| <b>Fault No.:</b>  | <b>0626</b>   |
| Flashing code:     | Is sIII ssIs  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0627</b>   |
| Flashing code:     | Is sIII ssII  |
| Fault description: | Circulating air motor current too high  |
| 1. Action:         | Replace circulating air motor   |
| <b>Fault No.:</b>  | <b>0628</b>   |
| Flashing code:     | Is sIII slss  |
| Fault description: | Circulating air motor current too low   |
| 1. Action:         | Check circulating air motor plug connection   |
| 2. Action:         | Replace circulating air motor   |
| <b>Fault No.:</b>  | <b>0629</b>   |
| Flashing code:     | Is sIII slsI  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0630</b>   |
| Flashing code:     | Is sIII slls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0631</b>   |
| Flashing code:     | Is sIII sIII  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0632</b>   |
| Flashing code:     | Is sIII lsss  |
| Fault description: | 230 V water temperature switch has triggered  |
| 1. Action:         | Reset water temperature switch  |
| <b>Fault No.:</b>  | <b>0633</b>   |
| Flashing code:     | Is sIII lssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0634</b>   |
| Flashing code:     | Is sIII lsIs  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC  |



## Diagnosics catalogue Truma Combi

|                    |   |
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|                    | voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0635</b>   |
| Flashing code:     | Is sIII IsII  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0636</b>   |
| Flashing code:     | Is sIII IIss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0700</b>   |
| Flashing code:     | Is IsII IIss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0701</b>   |
| Flashing code:     | Is IsII IIsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0702</b>   |
| Flashing code:     | Is IsII IIIs  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0703</b>   |
| Flashing code:     | Is IsII IIII  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0704</b>   |
| Flashing code:     | Is IIss ssss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |

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| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0705</b>   |
| Flashing code:     | Is llss sssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0706</b>   |
| Flashing code:     | Is llss ssls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0707</b>   |
| Flashing code:     | Is llss ssll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0708</b>   |
| Flashing code:     | Is llss slss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0709</b>   |
| Flashing code:     | Is llss slsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0710</b>   |
| Flashing code:     | Is llss slls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0711</b>   |
| Flashing code:     | Is llss slll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |

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| <b>Fault No.:</b>  | <b>0712</b>   |
| Flashing code:     | Is llss lsss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0713</b>   |
| Flashing code:     | Is llss lssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0714</b>   |
| Flashing code:     | Is llss lsll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0715</b>   |
| Flashing code:     | Is llss lsll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0716</b>   |
| Flashing code:     | Is llss llss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0717</b>   |
| Flashing code:     | Is llss llsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0718</b>   |
| Flashing code:     | Is llss llsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0719</b>   |
| Flashing code:     | Is llss llsl  |

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| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0720</b>   |
| Flashing code:     | Is llsI ssss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0721</b>   |
| Flashing code:     | Is llsI sssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0722</b>   |
| Flashing code:     | Is llsI ssls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0723</b>   |
| Flashing code:     | Is llsI sslI  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0724</b>   |
| Flashing code:     | Is llsI slss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0725</b>   |
| Flashing code:     | Is llsI slsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0726</b>   |
| Flashing code:     | Is llsI slIs  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC  |

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|                    |   |
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|                    | voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0727</b>   |
| Flashing code:     | Is lIsI slll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0728</b>   |
| Flashing code:     | Is lIsI lsss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0729</b>   |
| Flashing code:     | Is lIsI lssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0730</b>   |
| Flashing code:     | Is lIsI lsls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0731</b>   |
| Flashing code:     | Is lIsI lsll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0732</b>   |
| Flashing code:     | Is lIsI llss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0733</b>   |
| Flashing code:     | Is lIsI llsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |

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| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0734</b>   |
| Flashing code:     | Is lIsI llls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0735</b>   |
| Flashing code:     | Is lIsI llll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0736</b>   |
| Flashing code:     | Is llls ssss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0737</b>   |
| Flashing code:     | Is llls sssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0738</b>   |
| Flashing code:     | Is llls ssls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0739</b>   |
| Flashing code:     | Is llls sslI  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0740</b>   |
| Flashing code:     | Is llls slss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |

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| <b>Fault No.:</b>  | <b>0741</b>   |
| Flashing code:     | Is llls slsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0742</b>   |
| Flashing code:     | Is llls sls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0743</b>   |
| Flashing code:     | Is llls slll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0744</b>   |
| Flashing code:     | Is llls lsss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0745</b>   |
| Flashing code:     | Is llls lssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0746</b>   |
| Flashing code:     | Is llls lsll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0747</b>   |
| Flashing code:     | Is llls lsll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0748</b>   |
| Flashing code:     | Is llls llss  |

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| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0749</b>   |
| Flashing code:     | Is llls llsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0750</b>   |
| Flashing code:     | Is llls llsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0751</b>   |
| Flashing code:     | Is llls llsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0752</b>   |
| Flashing code:     | Is llsl ssss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0753</b>   |
| Flashing code:     | Is llsl sssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0754</b>   |
| Flashing code:     | Is llsl sssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0755</b>   |
| Flashing code:     | Is llsl sssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC  |



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|                    | voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0756</b>   |
| Flashing code:     | Is llll slss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0757</b>   |
| Flashing code:     | Is llll slsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0758</b>   |
| Flashing code:     | Is llll slsls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0800</b>   |
| Flashing code:     | ll ssls ssss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0801</b>   |
| Flashing code:     | ll ssls sssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0802</b>   |
| Flashing code:     | ll ssls ssls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0803</b>   |
| Flashing code:     | ll ssls ssll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |

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| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0804</b>   |
| Flashing code:     | ll ssIs slss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0805</b>   |
| Flashing code:     | ll ssIs slsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0806</b>   |
| Flashing code:     | ll ssIs slIs  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0807</b>   |
| Flashing code:     | ll ssIs slIl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0808</b>   |
| Flashing code:     | ll ssIs lsss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0809</b>   |
| Flashing code:     | ll ssIs lssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0810</b>   |
| Flashing code:     | ll ssIs slsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |

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| <b>Fault No.:</b>  | <b>0811</b>   |
| Flashing code:     | ll ssIs lsll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0812</b>   |
| Flashing code:     | ll ssIs llss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0813</b>   |
| Flashing code:     | ll ssIs llsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0814</b>   |
| Flashing code:     | ll ssIs llIs  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0815</b>   |
| Flashing code:     | ll ssIs llIII   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0816</b>   |
| Flashing code:     | ll ssll ssss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0817</b>   |
| Flashing code:     | ll ssll sssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0818</b>   |
| Flashing code:     | ll ssll ssIs  |

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| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0819</b>   |
| Flashing code:     | ll ssll ssll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0820</b>   |
| Flashing code:     | ll ssll slss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0821</b>   |
| Flashing code:     | ll ssll slsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0822</b>   |
| Flashing code:     | ll ssll sls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0823</b>   |
| Flashing code:     | ll ssll slll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0824</b>   |
| Flashing code:     | ll ssll lsss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0825</b>   |
| Flashing code:     | ll ssll lssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC  |

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|                    | voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0826</b>   |
| Flashing code:     | ll ssll lsll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0827</b>   |
| Flashing code:     | ll ssll lsll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0828</b>   |
| Flashing code:     | ll ssll llss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0829</b>   |
| Flashing code:     | ll ssll llsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0830</b>   |
| Flashing code:     | ll ssll llsls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0831</b>   |
| Flashing code:     | ll ssll llsls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0832</b>   |
| Flashing code:     | ll slss ssss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |

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| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0833</b>   |
| Flashing code:     | ll slss sssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0834</b>   |
| Flashing code:     | ll slss ssls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0835</b>   |
| Flashing code:     | ll slss ssl   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0836</b>   |
| Flashing code:     | ll slss slss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0837</b>   |
| Flashing code:     | ll slss slsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0838</b>   |
| Flashing code:     | ll slss slsls   |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0839</b>   |
| Flashing code:     | ll slss slll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |

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| <b>Fault No.:</b>  | <b>0840</b>   |
| Flashing code:     | ll slss lssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0841</b>   |
| Flashing code:     | ll slss lssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0842</b>   |
| Flashing code:     | ll slss lsls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0843</b>   |
| Flashing code:     | ll slss lsls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0844</b>   |
| Flashing code:     | ll slss llss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0845</b>   |
| Flashing code:     | ll slss llsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0846</b>   |
| Flashing code:     | ll slss llss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0847</b>   |
| Flashing code:     | ll slss llsls   |

## Diagnostics catalogue Truma Combi

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| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0848</b>   |
| Flashing code:     | ll slsl ssss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0849</b>   |
| Flashing code:     | ll slsl sssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0850</b>   |
| Flashing code:     | ll slsl ssls  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0851</b>   |
| Flashing code:     | ll slsl ssll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0852</b>   |
| Flashing code:     | ll slsl slss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0853</b>   |
| Flashing code:     | ll slsl slsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0854</b>   |
| Flashing code:     | ll slsl slsl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC  |



## Diagnostics catalogue Truma Combi

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|                    | voltage components that can be generated by the power supply unit or solar system.  |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0855</b>   |
| Flashing code:     | ll slsl slll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0856</b>   |
| Flashing code:     | ll slsl lsss  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0857</b>   |
| Flashing code:     | ll slsl lssl  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |
| <b>Fault No.:</b>  | <b>0858</b>   |
| Flashing code:     | ll slsl lsll  |
| Fault description: | Fault in the electronics  |
| 1. Action:         | Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system. |
| 2. Action:         | Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool  |