Diagnostics catalogue Truma Combi

Fault No.:	**0004**
Flashing code:	ssss slss
Fault No.:	**0005**
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
Fault No.:	**0006**
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
Fault No.:	**0008**
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
Fault No.:	**0010**
Flashing code:	ssss lsls
Fault description:	Combustion air temperature sensor out of tolerance
1. Action:	Check / replace combustion air thermostat plate and cable harness
Fault No.:	**0011**
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
Fault No.:	**0015**
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
Fault No.:	**0016**
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
Fault No.:	**0017**
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
Fault No.:	**0018**
Flashing code:	sssl ssls
Fault description:	Warning Air overheat condition
1. Action:	Inspect the individual discharge openings / remove blockage to circulated air intake
Fault No.:	**0019**

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
Fault No.:	**0020**
Flashing code:	sssl slss
Fault description:	Water temperature sensor out of tolerance
1. Action:	Replace water temperature monitoring cable harness
Fault No.:	**0021**
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
Fault No.:	**0022**
Flashing code:	sssl slls
Fault description:	Air temperature sensor out of tolerance
1. Action:	Replace thermostat plate kit LTF
Fault No.:	**0023**
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
Fault No.:	**0024**
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.
Fault No.:	**0025**
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
Fault No.:	**0026**
Flashing code:	sssl lsls
Fault description:	Circulating air motor current too high
1. Action:	Replace circulating air motor
Fault No.:	**0028**
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
Fault No.:	**0029**
Flashing code:	sssl llsl
Fault description:	FrostControl heating element current too high
1. Action:	Replace heating element
Fault No.:	**0030**
Flashing code:	sssl llls
Fault description:	2 KW solenoid valve pickup coil current too high
1. Action:	Replace cable harness
Fault No.:	**0031**
Flashing code:	sssl llll
Fault description:	4 KW solenoid valve pickup coil current too high
1. Action:	Replace cable harness

Fault No.:	**0032**
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
Fault No.:	**0033**
Flashing code:	ssls sssl
Fault description:	2 KW solenoid valve holding coil current too high
1. Action:	Replace cable harness
Fault No.:	**0034**
Flashing code:	ssls ssls
Fault description:	4 KW solenoid valve holding coil current too high
1. Action:	Replace cable harness
Fault No.:	**0035**
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
Fault No.:	**0036**
Flashing code:	ssls slss
Fault description:	Ignitor current too high
1. Action:	Replace ignitor
2. Action:	Check / replace cable harness
Fault No.:	**0037**
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
Fault No.:	**0038**
Flashing code:	ssls 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
Fault No.:	**0039**
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
Fault No.:	**0040**
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

	or solar system.
2. Action:	Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool
Fault No.:	**0041**
Flashing code:	ssls lssl
Fault description:	- Electronics blocked: - 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
3. Action:	- from software version V 03.00.00, unlock electronics with Truma Diagnose Tool - up to software version V 02.99.99, replace electronics and enter heater serial number on the new electronics using the Diagnose Tool
Fault No.:	**0042**
Flashing code:	ssls lsls
Fault description:	- Window switch detects open window - Bridge for window switch on Truma electronics interrupted
1. Action:	- Close window - Check / replace window switch with cable
2. Action:	Check bridge on PCB for secure fit / contact
Fault No.:	**0043**
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.
Fault No.:	**0044**
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.
Fault No.:	**0045**
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 - Check / replace 230 V fuse on Combi 230 V electronics
3. Action:	Replace Combi 230 V electronics
Fault No.:	**0046**
Flashing code:	ssls llls
Fault description:	- 1) Circulating air motor faulty 2) Combi control panel or control panel cable faulty - Combi E power selector switch or control panel connecting cable

	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.

2. Action:	Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool
Fault No.:	**0052**
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
Fault No.:	**0053**
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
Fault No.:	**0054**
Flashing code:	ssll 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
Fault No.:	**0055**
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
Fault No.:	**0056**
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
Fault No.:	**0057**
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
Fault No.:	**0058**
Flashing code:	ssll 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

Fault No.:	**0059**
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
Fault No.:	**0060**
Flashing code:	ssll 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.
Fault No.:	**0061**
Flashing code:	ssll llsl
Fault description:	Ignition spark interferes with electronics
1. Action:	Replace ignitor
2. Action:	Check / replace ignition electrodes
Fault No.:	**0062**
Flashing code:	ssll 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
Fault No.:	**0063**
Flashing code:	ssll 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.:	**0064**
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
Fault No.:	**0065**
Flashing code:	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
Fault No.:	**0066**
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

	electronics using the Diagnose Tool
Fault No.:	**0067**
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
Fault No.:	**0068**
Flashing code:	slss slss
Fault description:	Ignition spark interferes with electronics
1. Action:	Replace ignitor
2. Action:	Check / replace ignition electrodes
Fault No.:	**0069**
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
Fault No.:	**0070**
Flashing code:	slss 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
Fault No.:	**0071**
Flashing code:	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
Fault No.:	**0072**
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
Fault No.:	**0073**
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
Fault No.:	**0074**
Flashing code:	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
Fault No.:	**0075**
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
Fault No.:	**0076**
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
Fault No.:	**0077**
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
Fault No.:	**0078**
Flashing code:	slss 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
Fault No.:	**0079**
Flashing code:	slss 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.:	**0080**
Flashing code:	slsl ssss
Fault description:	- Power supply not constant - 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.:	**0081**
Flashing code:	slsl 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 - 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:	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
Fault No.:	**0083**
Flashing code:	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
Fault No.:	**0084**
Flashing code:	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
Fault No.:	**0085**
Flashing code:	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
Fault No.:	**0086**
Flashing code:	slsl 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
Fault No.:	**0087**
Flashing code:	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

Fault No.:	**0088**
Flashing code:	slsl 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 - 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.:	**0089**
Flashing code:	slsl lssl
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
Fault No.:	**0090**
Flashing code:	slsl 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
Fault No.:	**0091**
Flashing code:	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
Fault No.:	**0092**
Flashing code:	slsl 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
Fault No.:	**0093**
Flashing code:	slsl 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
Fault No.:	**0094**
Flashing code:	slsl llls
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
Fault No.:	**0096**
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
Fault No.:	**0097**
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
Fault No.:	**0098**
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
Fault No.:	**0099**
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
Fault No.:	**0100**
Flashing code:	slls slss
Fault description:	Short circuit at the solenoid coils
1. Action:	Replace cable harness kit
Fault No.:	**0101**
Flashing code:	slls slsl
Fault description:	Short circuit at the ignitor
1. Action:	Replace ignitor
2. Action:	Replace cable harness kit
Fault No.:	**0102**
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
Fault No.:	**0103**
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

Fault No.:	**0104**
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
Fault No.:	**0105**
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
Fault No.:	**0106**
Flashing code:	slls 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
Fault No.:	**0107**
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
Fault No.:	**0108**
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
Fault No.:	**0109**
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
Fault No.:	**0110**
Flashing code:	slls 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
Fault No.:	**0111**
Flashing code:	slls 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.:	**0112**
Flashing code:	slll ssss
Fault description:	- Flame out or not recognised - 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 - Check / replace solenoid valve - Check / replace ignitor - Check / replace ignition electrode kit
Fault No.:	**0113**
Flashing code:	slll sssl
Fault description:	Ionisation voltage present in Standby mode
1. Action:	Check / replace solenoid valve (stuck in the Open position)
Fault No.:	**0116**
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
Fault No.:	**0117**
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
Fault No.:	**0118**
Flashing code:	slll slls
Fault description:	Combustion air motor speed too low or out of tolerance
1. Action:	Replace combustion air motor kit
Fault No.:	**0119**
Flashing code:	slll slll
Fault description:	Combustion air motor speed too high or out of tolerance
1. Action:	Replace combustion air motor kit
Fault No.:	**0120**
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
Fault No.:	**0121**
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 - Check / replace solenoid valve - Check / replace ignitor

	- Check / replace ignition electrode kit
Fault No.:	**0122**
Flashing code:	slll 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 - Check / replace solenoid valve - Check / replace ignitor - Check / replace ignition electrode kit
Fault No.:	**0123**
Flashing code:	slll 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
Fault No.:	**0124**
Flashing code:	slll 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
Fault No.:	**0125**
Flashing code:	slll 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
Fault No.:	**0126**
Flashing code:	slll 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
Fault No.:	**0127**
Flashing code:	slll llll
Fault description:	- Combustion air motor faulty - Cable harness faulty - 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
Fault No.:	**0128**
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

	voltage components that can be generated by 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.:	**0129**
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
Fault No.:	**0130**
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
Fault No.:	**0131**
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
Fault No.:	**0133**
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
Fault No.:	**0134**
Flashing code:	lsss 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
Fault No.:	**0135**
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
Fault No.:	**0136**
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.

2. Action:	Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool
Fault No.:	**0137**
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
Fault No.:	**0138**
Flashing code:	lsss 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
Fault No.:	**0139**
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
Fault No.:	**0140**
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
Fault No.:	**0141**
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
Fault No.:	**0142**
Flashing code:	lsss 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
Fault No.:	**0143**
Flashing code:	lsss 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.:	**0144**
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
Fault No.:	**0145**
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
Fault No.:	**0146**
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
Fault No.:	**0147**
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
Fault No.:	**0148**
Flashing code:	lssl slss
Fault description:	- Electronics blocked: - 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
3. Action:	- from software version V 03.00.00, unlock electronics with Truma Diagnose Tool - up to software version V 02.99.99, replace electronics and enter heater serial number on the new electronics using the Diagnose Tool
Fault No.:	**0149**
Flashing code:	lssl slsl
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.:	**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

	electronics using the Diagnose Tool
Fault No.:	**0164**
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
Fault No.:	**0165**
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
Fault No.:	**0166**
Flashing code:	lsls 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
Fault No.:	**0167**
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
Fault No.:	**0168**
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
Fault No.:	**0169**
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
Fault No.:	**0170**
Flashing code:	lsls lsls
Fault description:	- Power supply not constant - 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.:	**0171**
Flashing code:	lsls lsll
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.:	**0172**
Flashing code:	lsls 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
Fault No.:	**0173**
Flashing code:	lsls 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
Fault No.:	**0174**
Flashing code:	lsls 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
Fault No.:	**0175**
Flashing code:	lsls 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.:	**0176**
Flashing code:	lsll 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.:	**0177**

Flashing code:	lsll 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.:	**0178**
Flashing code:	lsll ssls
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.:	**0180**
Flashing code:	lsll 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
Fault No.:	**0181**
Flashing code:	lsll 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
Fault No.:	**0182**
Flashing code:	lsll 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
Fault No.:	**0183**
Flashing code:	lsll 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
Fault No.:	**0184**
Flashing code:	lsll 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

3. Action:	Ensure gas supply with correct operating pressure Check / replace circulating air motor
Fault No.:	**0186**
Flashing code:	lsll 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
Fault No.:	**0187**
Flashing code:	lsll 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
Fault No.:	**0188**
Flashing code:	lsll 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
Fault No.:	**0189**
Flashing code:	lsll 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
Fault No.:	**0190**
Flashing code:	lsll 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
Fault No.:	**0191**
Flashing code:	lsll 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.:	**0192**
Flashing code:	llss 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.:	**0193**
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
Fault No.:	**0194**
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
Fault No.:	**0195**
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
Fault No.:	**0196**
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
Fault No.:	**0197**
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
Fault No.:	**0198**
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
Fault No.:	**0199**
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
Fault No.:	**0200**
Flashing code:	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
Fault No.:	**0201**
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
Fault No.:	**0202**
Flashing code:	llss lsls
Fault description:	- Flame out or not recognised - 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 - Check / replace solenoid valve - Check / replace ignitor - Check / replace ignition electrode kit
Fault No.:	**0203**
Flashing code:	llss lsll
Fault description:	Ionisation voltage present in Standby mode
1. Action:	Check / replace solenoid valve (stuck in the Open position)
Fault No.:	**0206**
Flashing code:	llss llls
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
Fault No.:	**0207**
Flashing code:	llss llll
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
Fault No.:	**0208**
Flashing code:	llsl ssss
Fault description:	Combustion air motor speed too low or out of tolerance
1. Action:	Replace combustion air motor kit
Fault No.:	**0209**
Flashing code:	llsl sssl
Fault description:	Combustion air motor speed too high or out of tolerance
1. Action:	Replace combustion air motor kit
Fault No.:	**0210**
Flashing code:	llsl 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.:	**0211**
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:	- Check exhaust system - Check / replace solenoid valve - Check / replace ignitor - Check / replace ignition electrode kit

Fault No.:	**0212**
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:	- Check exhaust system - Check / replace solenoid valve - Check / replace ignitor - Check / replace ignition electrode kit

Fault No.:	**0213**
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

Fault No.:	**0214**
Flashing code:	llsl 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

Fault No.:	**0215**
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

Fault No.:	**0216**
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

Fault No.:	**0217**
Flashing code:	llsl lssl
Fault description:	- Combustion air motor faulty - Cable harness faulty - 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
Fault No.:	**0218**
Flashing code:	llsl 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
Fault No.:	**0219**
Flashing code:	llsl 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
Fault No.:	**0220**
Flashing code:	llsl 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
Fault No.:	**0221**
Flashing code:	llsl 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
Fault No.:	**0223**
Flashing code:	llsl 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.:	**0224**
Flashing code:	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
Fault No.:	**0225**
Flashing code:	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
Fault No.:	**0226**
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
Fault No.:	**0227**
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
Fault No.:	**0228**
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
Fault No.:	**0229**
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
Fault No.:	**0230**
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
Fault No.:	**0231**
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
Fault No.:	**0232**
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

Fault No.:	**0233**
Flashing code:	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
Fault No.:	**0234**
Flashing code:	llls 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
Fault No.:	**0235**
Flashing code:	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
Fault No.:	**0236**
Flashing code:	llls 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
Fault No.:	**0237**
Flashing code:	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
Fault No.:	**0238**
Flashing code:	llls llls
Fault description:	- Electronics blocked: - 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
3. Action:	- from software version V 03.00.00, unlock electronics with Truma Diagnose Tool

	- up to software version V 02.99.99, replace electronics and enter heater serial number on the new electronics using the Diagnose Tool
Fault No.:	**0239**
Flashing code:	llls llll
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.:	**0240**
Flashing code:	llll 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.:	**0255**
Flashing code:	llll llll
Fault description:	- No connection between heater and control panel - Heater has no 12 V power supply - Control panel cable faulty
1. Action:	Ensure 12 V voltage under load at appliance input and check for AC voltage components that can be generated by the power supply unit or solar system.
2. Action:	- Make connection between heater and control panel - Check / replace control panel cable
Fault No.:	**0301**
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.
Fault No.:	**0302**
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

	or solar system.
Fault No.:	**0303**
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.
Fault No.:	**0304**
Flashing code:	sl ssll ssss
Fault No.:	**0305**
Flashing code:	sl 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.:	**0401**
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
Fault No.:	**0402**
Flashing code:	sl lssl ssls
Fault description:	Warning Air overheat condition
1. Action:	Inspect the individual discharge openings / remove blockage to circulated air intake
Fault No.:	**0407**
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
Fault No.:	**0408**
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 - Check / replace ignitor - Check / replace ignition electrode kit
Fault No.:	**0411**
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.
Fault No.:	**0412**
Flashing code:	sl lssl llss
Fault description:	- Window switch detects open window - Bridge for window switch on Truma electronics interrupted
1. Action:	- Close window - Check / replace window switch with cable

2. Action:	Check bridge on PCB for secure fit / contact
Fault No.:	**0413**
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
Fault No.:	**0414**
Flashing code:	sl lssl 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
Fault No.:	**0417**
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.
Fault No.:	**0418**
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.
Fault No.:	**0420**
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
Fault No.:	**0421**
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
Fault No.:	**0501**
Flashing code:	sl 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
Fault No.:	**0502**
Flashing code:	sl llll slls
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

Fault No.:	**0503**
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
Fault No.:	**0504**
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
Fault No.:	**0505**
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
Fault No.:	**0506**
Flashing code:	sl llll lsls
Fault description:	Combustion air motor speed out of tolerance
1. Action:	Replace combustion air motor kit
Fault No.:	**0507**
Flashing code:	sl llll lsll
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.:	**0508**
Flashing code:	sl llll llss
Fault description:	Ionisation voltage present in Standby mode
1. Action:	Check / replace solenoid valve (stuck in the Open position)
2. Action:	Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool
Fault No.:	**0509**
Flashing code:	sl llll llsl
Fault description:	Ignitor current too high
1. Action:	Replace ignitor
2. Action:	Check / replace cable harness
Fault No.:	**0510**
Flashing code:	sl llll llls
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
Fault No.:	**0511**
Flashing code:	sl llll 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.:	**0512**
Flashing code:	ls ssss ssss
Fault description:	Air temperature switch opened during operation due to overheating
1. Action:	- Check heat exchanger for overheating damage - Check water container for frost damage - Check / replace temperature cable harness
2. Action:	- Check circulating air system for blockage - Check / replace circulating air motor
Fault No.:	**0513**
Flashing code:	ls ssss sssl
Fault description:	Water temperature switch opened during operation due to overheating
1. Action:	- Check heat exchanger for overheating damage - Check water container for frost damage - Check / replace water temperature monitoring cable harness
2. Action:	- Check circulating air system for blockage - Check / replace circulating air motor
Fault No.:	**0514**
Flashing code:	ls ssss 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.:	**0515**
Flashing code:	ls ssss ssll
Fault description:	Combustion air motor speed out of tolerance
1. Action:	Replace combustion air motor kit
Fault No.:	**0516**
Flashing code:	ls 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:	ls 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:	ls ssss 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
Fault No.:	**0521**
Flashing code:	ls 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
Fault No.:	**0522**
Flashing code:	ls ssss lsls
Fault description:	Combustion air motor speed out of tolerance
1. Action:	Replace combustion air motor kit
Fault No.:	**0523**
Flashing code:	ls ssss lsll
Fault description:	Ignitor current too high
1. Action:	Replace ignitor
2. Action:	Check / replace cable harness
Fault No.:	**0524**
Flashing code:	ls ssss llss
Fault description:	Combustion air motor short circuit
1. Action:	Check / replace combustion air motor
2. Action:	Check / replace cable harness
Fault No.:	**0525**
Flashing code:	ls ssss llsl
Fault description:	Combustion air motor current too high
1. Action:	Check / replace combustion air motor
2. Action:	Check / replace cable harness
Fault No.:	**0526**
Flashing code:	ls ssss llls
Fault description:	Combustion air motor current too low
1. Action:	Check / replace combustion air motor
2. Action:	Check / replace cable harness
Fault No.:	**0527**
Flashing code:	ls ssss llll
Fault description:	Ignitor current too low
1. Action:	Replace ignitor
2. Action:	Check / replace cable harness
Fault No.:	**0528**
Flashing code:	ls sssl ssss
Fault description:	2 KW solenoid coil current too high
1. Action:	Replace cable harness
Fault No.:	**0529**
Flashing code:	ls sssl sssl
Fault description:	4 KW solenoid coil current too high
1. Action:	Replace cable harness
Fault No.:	**0530**
Flashing code:	ls sssl ssls
Fault description:	Safety valve solenoid coil current too high
1. Action:	Replace cable harness
Fault No.:	**0531**
Flashing code:	ls sssl 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
Fault No.:	**0532**
Flashing code:	ls sssl slss
Fault description:	2 KW solenoid coil current too high
1. Action:	Replace cable harness
Fault No.:	**0533**
Flashing code:	ls sssl slsl
Fault description:	4 KW solenoid coil current too high
1. Action:	Replace cable harness
Fault No.:	**0534**
Flashing code:	ls sssl slls
Fault description:	Safety valve solenoid coil current too high
1. Action:	Replace cable harness
Fault No.:	**0535**
Flashing code:	ls 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
Fault No.:	**0536**
Flashing code:	ls 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
Fault No.:	**0537**
Flashing code:	ls 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
Fault No.:	**0538**
Flashing code:	ls sssl 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
Fault No.:	**0539**
Flashing code:	ls sssl 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
Fault No.:	**0601**
Flashing code:	ls 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
Fault No.:	**0602**
Flashing code:	ls slsl 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
Fault No.:	**0603**
Flashing code:	ls slsl lsll
Fault description:	- Electronics blocked: - 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
3. Action:	Unlock software version with Truma Diagnose Tool
Fault No.:	**0604**
Flashing code:	ls slsl 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
Fault No.:	**0605**
Flashing code:	ls slsl llsl
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.:	**0606**
Flashing code:	ls slsl 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
Fault No.:	**0607**
Flashing code:	ls 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.
Fault No.:	**0608**
Flashing code:	ls slls ssss
Fault description:	CP Plus initialisation does not match the heater
1. Action:	Reinitialise CP Plus
Fault No.:	**0609**
Flashing code:	ls 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
Fault No.:	**0610**
Flashing code:	ls 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
Fault No.:	**0611**
Flashing code:	ls 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
Fault No.:	**0612**
Flashing code:	ls 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
Fault No.:	**0613**
Flashing code:	ls 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
Fault No.:	**0614**
Flashing code:	ls 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
Fault No.:	**0615**
Flashing code:	ls slls slll
Fault No.:	**0616**
Flashing code:	ls slls lsss
Fault No.:	**0617**
Flashing code:	ls slls lssl
Fault description:	Electronics blocked: Because combustion air temperature sensor signals temperatures > 215 °C
1. Action:	- Check heat exchanger for overheating damage - Check water container for frost damage - Check combustion air temperature sensor thermostat plate for damage / replace
2. Action:	- Check circulating air system for blockage - Check / replace circulating air motor
3. Action:	Unlock electronics with Truma Diagnose Tool
Fault No.:	**0619**
Flashing code:	ls slls lsll
Fault description:	Water temperature sensor out of tolerance
1. Action:	Replace water temperature monitoring cable harness
Fault No.:	**0620**
Flashing code:	ls slls llss
Fault description:	Air temperature sensor out of tolerance
1. Action:	Replace temperature monitoring cable harness
Fault No.:	**0621**
Flashing code:	ls 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
Fault No.:	**0622**
Flashing code:	ls slls llls
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
Fault No.:	**0623**
Flashing code:	ls slls llll
Fault description:	Heater is energised when switched on
1. Action:	Switch heater off and on again
Fault No.:	**0624**
Flashing code:	ls slll ssss
Fault description:	FrostControl heating element current too high
1. Action:	Replace heating element
Fault No.:	**0625**
Flashing code:	ls 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 electronics using the Diagnose Tool
Fault No.:	**0626**
Flashing code:	ls slll 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.:	**0627**
Flashing code:	ls slll ssll
Fault description:	Circulating air motor current too high
1. Action:	Replace circulating air motor
Fault No.:	**0628**
Flashing code:	ls slll slss
Fault description:	Circulating air motor current too low
1. Action:	Check circulating air motor plug connection
2. Action:	Replace circulating air motor
Fault No.:	**0629**
Flashing code:	ls slll 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
Fault No.:	**0630**
Flashing code:	ls slll 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
Fault No.:	**0631**
Flashing code:	ls slll 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
Fault No.:	**0632**
Flashing code:	ls slll lsss
Fault description:	230 V water temperature switch has triggered
1. Action:	Reset water temperature switch
Fault No.:	**0633**
Flashing code:	ls slll 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
Fault No.:	**0634**
Flashing code:	ls slll 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
Fault No.:	**0635**
Flashing code:	ls slll 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
Fault No.:	**0636**
Flashing code:	ls slll 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
Fault No.:	**0700**
Flashing code:	ls lsll 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
Fault No.:	**0701**
Flashing code:	ls lsll 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
Fault No.:	**0702**
Flashing code:	ls lsll 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
Fault No.:	**0703**
Flashing code:	ls lsll 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.:	**0704**
Flashing code:	ls llss 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.:	**0705**

Flashing code:	ls 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
Fault No.:	**0706**
Flashing code:	ls 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
Fault No.:	**0707**
Flashing code:	ls 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
Fault No.:	**0708**
Flashing code:	ls 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
Fault No.:	**0709**
Flashing code:	ls 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
Fault No.:	**0710**
Flashing code:	ls 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
Fault No.:	**0711**
Flashing code:	ls 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
Fault No.:	**0712**
Flashing code:	ls 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
Fault No.:	**0713**
Flashing code:	ls 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
Fault No.:	**0714**
Flashing code:	ls llss 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
Fault No.:	**0715**
Flashing code:	ls 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
Fault No.:	**0716**
Flashing code:	ls 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
Fault No.:	**0717**
Flashing code:	ls 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
Fault No.:	**0718**
Flashing code:	ls llss 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
Fault No.:	**0719**
Flashing code:	ls llss 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.:	**0720**
Flashing code:	ls 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
Fault No.:	**0721**
Flashing code:	ls 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
Fault No.:	**0722**
Flashing code:	ls llsl 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.:	**0723**
Flashing code:	ls llsl 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
Fault No.:	**0724**
Flashing code:	ls llsl 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
Fault No.:	**0725**
Flashing code:	ls 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
Fault No.:	**0726**
Flashing code:	ls llsl 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
Fault No.:	**0727**
Flashing code:	ls 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
Fault No.:	**0728**
Flashing code:	ls 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
Fault No.:	**0729**
Flashing code:	ls llsl 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
Fault No.:	**0730**
Flashing code:	ls llsl 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
Fault No.:	**0731**
Flashing code:	ls llsl 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
Fault No.:	**0732**
Flashing code:	ls llsl 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
Fault No.:	**0733**
Flashing code:	ls llsl 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
Fault No.:	**0734**

Flashing code:	ls llsl 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
Fault No.:	**0735**
Flashing code:	ls llsl 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.:	**0736**
Flashing code:	ls 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
Fault No.:	**0737**
Flashing code:	ls 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
Fault No.:	**0738**
Flashing code:	ls 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
Fault No.:	**0739**
Flashing code:	ls 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
Fault No.:	**0740**
Flashing code:	ls 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
Fault No.:	**0741**
Flashing code:	ls 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
Fault No.:	**0742**
Flashing code:	ls 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
Fault No.:	**0743**
Flashing code:	ls 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
Fault No.:	**0744**
Flashing code:	ls 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
Fault No.:	**0745**
Flashing code:	ls 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
Fault No.:	**0746**
Flashing code:	ls llls 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
Fault No.:	**0747**
Flashing code:	ls 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
Fault No.:	**0748**
Flashing code:	ls llls 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
Fault No.:	**0749**
Flashing code:	ls 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
Fault No.:	**0750**
Flashing code:	ls llls 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
Fault No.:	**0751**
Flashing code:	ls llls 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.:	**0752**
Flashing code:	ls llll 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.:	**0753**
Flashing code:	ls llll 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.:	**0754**
Flashing code:	ls llll 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.:	**0755**
Flashing code:	ls llll 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
Fault No.:	**0756**
Flashing code:	ls 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
Fault No.:	**0757**
Flashing code:	ls 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
Fault No.:	**0758**
Flashing code:	ls llll 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
Fault No.:	**0800**
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
Fault No.:	**0801**
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
Fault No.:	**0802**
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
Fault No.:	**0803**
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.
2. Action:	Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool
Fault No.:	**0804**

Flashing code:	ll ssls 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
Fault No.:	**0805**
Flashing code:	ll 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
Fault No.:	**0806**
Flashing code:	ll ssls 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
Fault No.:	**0807**
Flashing code:	ll 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
Fault No.:	**0808**
Flashing code:	ll 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 or solar system.
2. Action:	Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool
Fault No.:	**0809**
Flashing code:	ll ssls 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
Fault No.:	**0810**
Flashing code:	ll ssls 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
Fault No.:	**0811**
Flashing code:	ll ssls 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
Fault No.:	**0812**
Flashing code:	ll ssls 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
Fault No.:	**0813**
Flashing code:	ll ssls 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
Fault No.:	**0814**
Flashing code:	ll ssls 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
Fault No.:	**0815**
Flashing code:	ll 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.:	**0816**
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
Fault No.:	**0817**
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
Fault No.:	**0818**
Flashing code:	ll 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.:	**0819**
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
Fault No.:	**0820**
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
Fault No.:	**0821**
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
Fault No.:	**0822**
Flashing code:	ll ssll 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
Fault No.:	**0823**
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
Fault No.:	**0824**
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
Fault No.:	**0825**
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 voltage components that can be generated by 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.:	**0826**
Flashing code:	ll ssll 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
Fault No.:	**0827**
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
Fault No.:	**0828**
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
Fault No.:	**0829**
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
Fault No.:	**0830**
Flashing code:	ll ssll 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
Fault No.:	**0831**
Flashing code:	ll ssll 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.:	**0832**
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.
2. Action:	Replace the electronics, enter heater serial number on the new electronics using the Diagnose Tool
Fault No.:	**0833**

Diagnostics catalogue Truma Combi

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
Fault No.:	**0834**
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
Fault No.:	**0835**
Flashing code:	ll 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
Fault No.:	**0836**
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
Fault No.:	**0837**
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
Fault No.:	**0838**
Flashing code:	ll slss 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
Fault No.:	**0839**
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
Fault No.:	**0840**
Flashing code:	ll 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
Fault No.:	**0841**
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
Fault No.:	**0842**
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
Fault No.:	**0843**
Flashing code:	ll 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
Fault No.:	**0844**
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
Fault No.:	**0845**
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
Fault No.:	**0846**
Flashing code:	ll slss 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
Fault No.:	**0847**
Flashing code:	ll slss 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.:	**0848**
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
Fault No.:	**0849**
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
Fault No.:	**0850**
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
Fault No.:	**0851**
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
Fault No.:	**0852**
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
Fault No.:	**0853**
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
Fault No.:	**0854**
Flashing code:	ll slsl 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
Fault No.:	**0855**
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
Fault No.:	**0856**
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
Fault No.:	**0857**
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
Fault No.:	**0858**
Flashing code:	ll slsl 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