

Rinnai

ERROR CODED MESSAGES

* The latest error message will appear when Room Temperature Control Switches "▲", "▼" and "Economy" switch are pressed at the same time.

RCE-606 Series RCE-590 Series	RCE-506 Error Code F°	Description	Diagnostic Point
03	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Tilt Switch is activated	Check tilt switch
10	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Flash back device is activated	Check flash back sensing switch
11	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Ignition failure	Check thermocouple output and gas supply
12	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Incomplete combustion device is activated	Check thermocouple output
14	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Overheat Switch is activated	Check Overheat Switch and obstruction to air flow
14	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Thermal fuse melted (activated)	Check Thermal Fuse
16	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	OFF function activated	Check Room Temperature Thermistor
31	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Room Temperature Thermistor short circuit	Check Room Temperature Thermistor
32	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Room Temperature Thermistor short circuit	Check Room Temperature Thermistor
33	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Overheat Thermistor open circuit	Check Overheat Switch
34	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Overheat Thermistor short circuit	Check Overheat Switch
62	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Fan Motor open circuit	Check Convection Fan Motor
70	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Operation Switch failure	Check Operation Switch
71	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Modulating Valve circuit faulty	Check Modulating and/or Solenoid Valves
	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	TC high cut	Check thermocouple output for 5 seconds (above 48 mV)
00	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Power failure All indicator lamps off	Turn heater OFF and then ON again
73	 ◀ 'LO' '60' '64' '68' '72' '76' '80' 'HI' ▶	Communication Error All indicator lamps on	Restart unit, if unit does not recycle, contact Rinnai.