

# COCA-COLA NORTH AMERICA EQUIPMENT BULLETIN... SERVICE

DATE: 8/18/2009

NUMBER: SERV- 264

SUBJECT: ABS LonWorks Gateway Hardware

## Overview



Figure 1 – New LonWorks software board. Note that this new board is green

ABS units produced after May 2009 employ a new hardware configuration. This service bulletin describes how to isolate the components associated with this hardware when diagnosing service issues on the ABS. This bulletin also shows the differences (color and part number) in the two boards, as both the new and old boards will be active in our system (see figures 2 through 4 below).

The Franke LonWorks Power Line Gateway provides a LonWorks Gateway between serial-based OEM equipment and a LonWorks power line network. The Power Line Gateway provides a serial interface (RS232 or RS485) to the equipment. The power line network may be 115 or 230 VAC, 50 or 60Hz and implement Line to Earth Ground or Line to Neutral power line coupling.

**NOTE: Trouble shooting of the base unit remains unchanged from the past procedures. The beverage interface, motion control, and store sensor boards are not backwards compatible, so it is critical to have the right board for the ABS unit in question.**

## Troubleshooting:

### **To isolate the gateway:**

- Disconnect power cord.
- Disconnect RS232 cable from the Gateway.
- Remove jumpers 620323698 and 620323697 from the front of the gateway. (Jumpers must be properly insulated before turning power on. See schematic on inside panel of ABS for jumper numbers and locations.)

### **To isolate the filter:**

- Disconnect power cord
- Remove the black leads from the line and load sides of the filter and jumper together.
- Remove the white leads from the line and load sides of the filter and jumper together. (Jumpers must be properly insulated before turning power on)

### **Changing the Board:**

- Disconnect power cord.
- Remove the black, white and green jumpers.
- Remove the RS232 cable.
- Remove the retaining nut and then remove the board from the mounting studs.
- Install the new board in reverse order.



Figure 2: ABS Beverage Interface board. The blue board on the right (CCP# 121284) is compatible with the LonWorks Gateway



Figure 2: ABS Store Sensor Board. The blue board on the right (CCP# 121286) is compatible with the LonWorks Gateway



Figure 3: ABS Motion Control Board. The blue board on the right (CCP# 121285) is compatible with the LonWorks Gateway


Both boards have the same hardware but different software. The original board is shown on the left and the LonWorks board is shown on the right. Note that the board on the left is green and the board on the right is blue.

**FOR ADDITIONAL INFORMATION CONTACT:**

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Sort by: CCP Part# Ascending ▼

	CCP Part#	Equip Mfg. Part #	Part Category	Description	Qty Avail	UOM	Price	Stock Type ?	Add to Fav.
1. 	129272	IMI CORNELIUS 620048719	GATEWAY	GATEWAY, POWERLINE, 115VAC LINE	0	EA	607.24	Drop-Ship	