

FLA COE  
 FLB COE  
 FLD Conventional  
 Business Class  
 FLC 112 Conventional

Century Class Conventional  
 Argosy COE  
 Cargo  
 Columbia

Coronado  
 Business Class M2  
 > Cascadia  
 108SD/114SD

**Freightliner  
 Service Bulletin**

## General Information

A design change has been made to the ParkSmart internal controller circuit board to protect against high voltage damage. The new controller is installed in all vehicles manufactured from June 21, 2012.

On March 6, 2012, Bergstrom started using round post terminals on all ParkSmart compressors.

If the ParkSmart unit part number is A22-69027-000 and it was built before March 6, 2012, a new controller-to-compressor harness is required to adapt to the spade-type compressor terminals. See [Table 1](#) for the required parts for different controller and harness configurations.

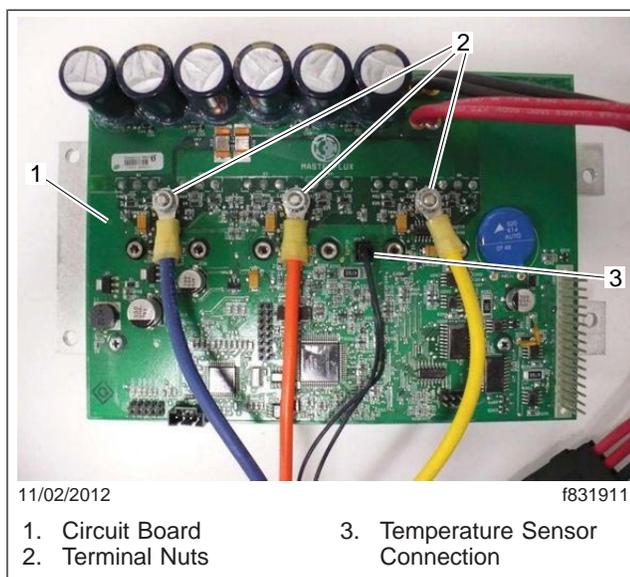
## Controller and Harness Replacement

1. Determine the type of controller and harness needed.
2. If a replacement harness is required, replace it as follows.

### NOTICE

**Do not allow the wires or terminals to turn while tightening the nuts. Doing so will damage the circuit board.**

- 2.1 Connect the three phase-wires to the new circuit board terminals as shown in [Fig. 1](#). Install the blue wire on the left terminal, the orange wire on the middle terminal, and the yellow wire on the right terminal. Tighten the nuts 10 lbf-in (113 N-cm).



**Fig. 1, Circuit Board Wiring**

- 2.2 Connect the temperature sensor wire connector to the circuit board.
3. Replace the controller. Follow the instructions in [83.03, Subject 160](#) of the *Cascadia Workshop Manual*.

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## Parts

Parts are available through the PDC.

Refer to [Table 1](#) for required parts by application.

NOTE: If the ParkSmart unit was previously repaired with a refrigerant loop service kit or an entire unit, the compressor may already have round post-type terminals and the corresponding compressor harness (BSM 1000338843). If so, no harness replacement is needed.

Controller Replacement, Required Parts			
Unit Part Number	Manufacture Date	Replacement Controller	Harness
A22-69027-002	All	BSM 1000385968	Use original. (BSM 1000338843)
A22-69027-001	All		
A22-69027-000	March 6, 2012 or later		BSM 1000341665
A22-69027-000	Before March 6, 2012		

**Table 1, Controller Replacement, Required Parts**

## Warranty

This bulletin is informational only. Warranty does not apply.