

Idle Free System Bunk Harness Wiring

FREIGHTLINER CORONADO & COLUMBIA

Wire Connection Location:

The bunk wire looms are located behind the door located between the back of the driver seat, & the driver side closet

Wire Access & Location:

Route the heater control harness along the upper forward mattress support for the bed to the driver side wall. Continue going forward with the harness to the back side of the driver side closet. The wires are then fed forward to the area just forward of the driver side closet (into the cabinet with the door between driver seat & closet). This is where the connection from the cab harness to the bunk harness is made. The two wires needing to be connected to are in this location, in the blue plug.

Wire Numbers & Connections:

1st Pair of Wires (Blue plug behind door located between driver side closet & driver seat)

Turn ignition key to "On" position. Ensure bunk HVAC is activated. Confirm bunk blower engages. Turn ignition key to "Off" position. Locate and isolate wire number **98G-2304**. Cut wire allowing adequate length of wire on both sides to perform a butt splice. Turn ignition key to "On" position. **THE BLUE PLUG MUST BE CONNECTED FOR THIS TEST.** The side of the cut wire with 12 VDC power will be butt spliced to the **Brown** Idle Free Systems harness wire. The other side of this cut wire will have the **Pink** wire butt-spliced to it. See diagram below.

2nd Pair of Wires (Blue plug behind door located between driver side closet & driver seat)

Locate and isolate wire **98N 2304**. Cut wire allowing adequate length of wire on both sides to perform a butt splice. Following the same sequence as shown for the 1st pair of wires, the cut side of the wire with 12 VDC power is butt spliced to the **Orange** Idle Free wire. The other side of this cut wire will be butt-spliced to the **Yellow** wire.

3rd Pair of Wires (Blue plug behind door located between driver side closet & driver seat)

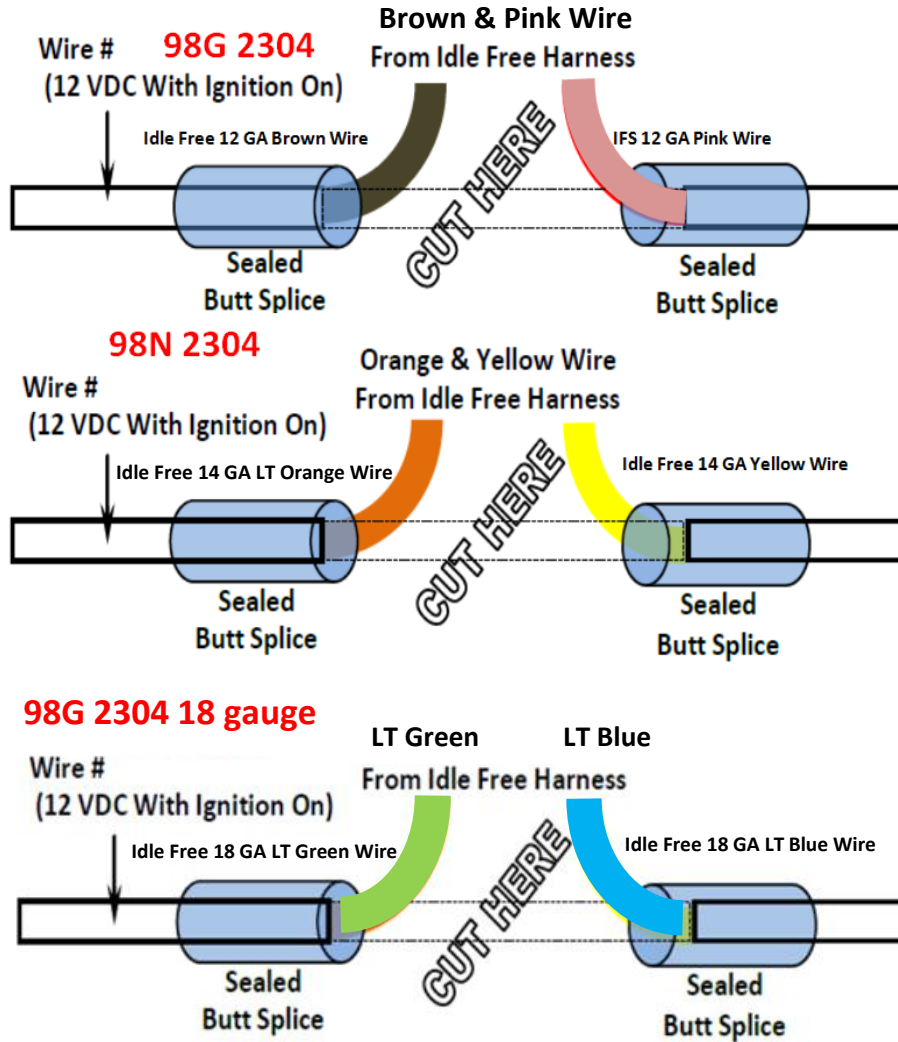
Locate and isolate wire **98G 2304 (18 Gauge, small wire)**. Cut wire allowing adequate length of wire on both sides to perform a butt splice. Following the same sequence as shown for the 1st pair of wires, the cut side of the wire with 12 VDC power is butt spliced to the **Lt Green** Idle Free wire. The other side of this cut wire will be butt-spliced to the **Lt Blue** wire.

Installation Confirmation:

Proper wiring by can be confirmed **AFTER** the exterior heater (Webasto coolant heater) has been connected electrically and plumbing is completed. The UBB must have all its necessary wiring in place as well. When this is complete, turn the ignition key to the "On" position and confirm bunk blower operates as normal. Turn ignition key to "Off" position, and turn Idle Free thermostat to *Heat* position. The bunk blower should operate as if the ignition key was in the "On" position, allowing blower speed control and blend door operation to function normally. Confirm the heater turned on outside when the thermostat is put in the heat position.

The following page shows the connections between the Idle Free wire harness and the truck wire harness.

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Each Heater Connection Harness Bag contains a bag with the necessary fuses for the truck the system is being installed in.

Remember, EVERY truck will have a 5 amp fuse in position #1 (TOP) for thermostat, the fuses below are listed in the table to the right.

Fuse Number	Fuse
1	5 amp
2	30 amp
3	5 amp
4	10 amp

