

# INTERNATIONAL 9900 Series

## Wire Connection Location:

There are two locations that the wiring has to be routed to from the Under Bunk Box. The first pair of wires needs to be routed to the bunk HVAC unit. It is located on the passenger side, under the bunk mattress support area. The second pair of wires is connected on the driver side of the truck on the back wall of the sleeper, at the bunk HVAC control.

## Wire Access & Location:

Turn ignition key to "On" position. Ensure bunk HVAC is activated. Confirm bunk blower engages. Turn ignition key to "Off" position. This is to confirm the bunk operates before any work is done. See diagram on following page for specific splicing information. **BEFORE PERFORMING ANY CRIMP, TURN IGNITION KEY BACK TO "OFF" POSITION (confirming there is no power available at any wires.)**

## Wire Numbers & Connections:

### **1<sup>st</sup> Pair of Wires (Located at bunk HVAC system, Passenger side, under bunk)**

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 **75AW**, green in color. This is a heavily insulated, 10 ga wire. Cut wire allowing adequate length of wire on both sides to perform a butt splice. Turn ignition key to "On" position. The side of the cut wire with 12 VDC power will be butt spliced with the **Brown** Idle free wire. The other side of this cut wire will have the **Pink** wire butt spliced to it. **BEFORE PERFORMING ANY CRIMP, TURN IGNITION KEY BACK TO "OFF" POSITION.**

### **2<sup>nd</sup> Pair of Wires (Back wall of sleeper at bunk HVAC controls)**

Locate and isolate wire **75AS**, green in color. Cut wire allowing adequate length of wire on both sides to perform a butt splice. Turn ignition key to "On" position. The side of the cut wire with 12 VDC power will be butt spliced with the **Orange** Idle free wire. The other side of this cut wire will have the **Yellow** wire butt spliced to it.

### **3<sup>rd</sup> Pair of Wires (Located under the passenger seat, on top of the Blend Door)**

Locate and isolate wire **75BJ or 75BC**, green in color. Cut wire allowing adequate length of wire on both sides to perform a butt splice. Turn ignition key to "On" position. The side of the cut wire with 12 VDC power will be butt spliced with the **Light Green** Idle free wire. The other side of this cut wire will have the **Light Blue** wire butt spliced to it.

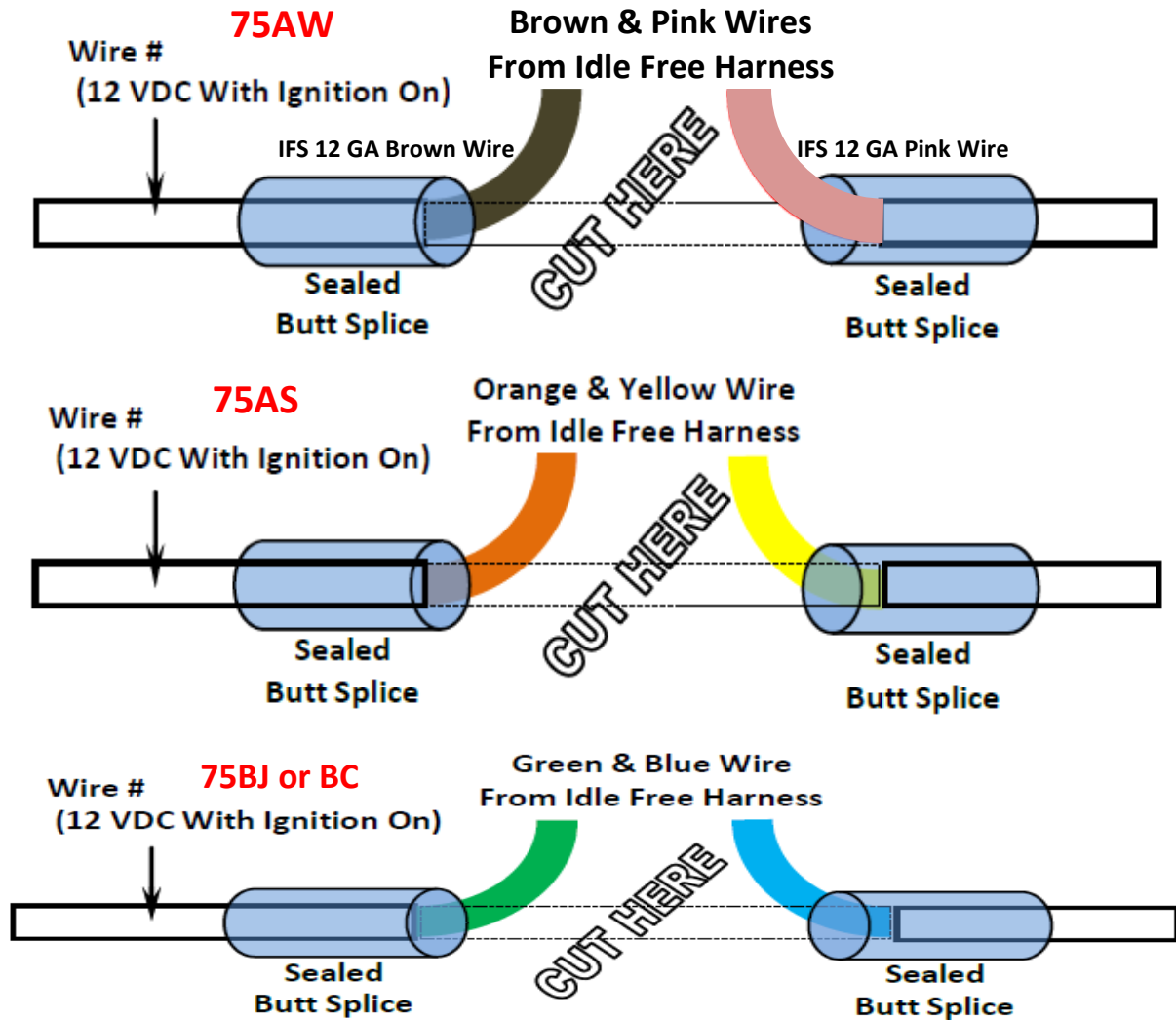
## Installation Confirmation:

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.

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

# Idle Free System Bunk Harness

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

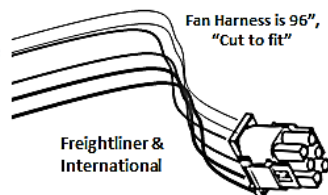
Remember, EVERY truck will have a 5 amp fuse in position #1 (top) for thermostat.

Fuse Number	International Pro-Star 2006 - present
1	5 amp
2	30 amp
3	20 amp
4	NONE

Fan Harness Drawings  
12/12

Fan Harness (OEM Connection)

Light Blue, Light Green = 18 Gauge  
Yellow and Orange = 14 Gauge  
Pink & Brown = 12 Gauge (FAN)



View is from Connection Point

