

# Idle Free System Bunk Harness Wiring

## Peterbilt 587

### Wire Connection Location:

The Bunk wire looms are located in the driver side cargo area, on the bunk side of the driver side closet, under the hinged mattress support surface.

### Wire Access & Location:

To gain access to the wires, you must locate them within the loom of wires. There are two wires that need to be tapped. Identify them, and separate them from the other wires to confirm you splice into the correct wires.

### Wire Numbers & Connections:

#### 1<sup>st</sup> Pair of Wires (Driver side wall, in cargo area just forward of cargo door)

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 **248-1**. 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 to the **Brown** Idle free Systems harness wire. **BEFORE PERFORMING ANY CRIMP, TURN IGNITION KEY BACK TO “OFF” POSITION.** The other side of this cut wire will have the **Pink** wire butt-spliced to it. See diagram on following page.

#### 2<sup>nd</sup> Pair of Wires (NOT USED IN THIS APPLICATION)

Use butt splice on end of yellow wire, and cover other end of splice. This wire will have 12 Volts DC when thermostat switch is in heat position. (Yellow & orange are paired)

#### 3<sup>rd</sup> Pair of Wires (NOT USED IN THIS APPLICATION)

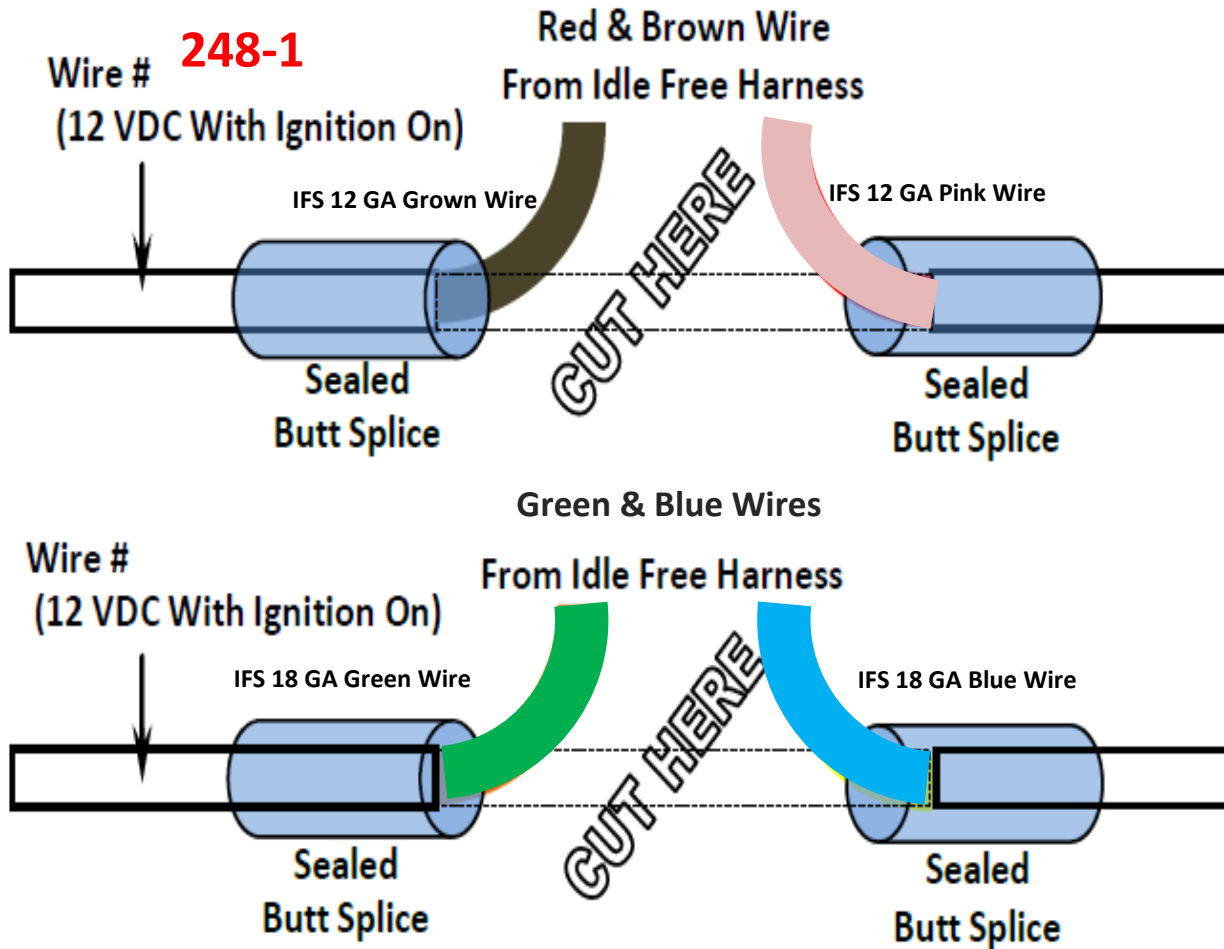
Use butt splice on end of yellow wire, and cover other end of splice. This wire will have 12 Volts DC when thermostat switch is in heat position. (Light Green & Light Blue are paired)

### Installation Confirmation:

Proper wiring 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.

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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 2 amp fuse in position #1 (top) for thermostat.

Fuse Number	Peterbilt- All
1	2 amp
2	30 AMP
3	NONE
4	NONE