

Idle Free System Bunk Harness Wiring

INTERNATIONAL LT

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 HVAC 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:

1st 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 **H75C**, 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.**

2nd Pair of Wires (Top of bunk HVAC module)

The wire needed is in PIN #3 of the HVAC module. Locate and isolate wire **H12B**. At start of production (Dec 2016), it is purple in color. This may change over time, but it will always be PIN #3, & be labeled **H12B**. Cut the 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.

3RD Pair of Wires (NOT USED IN THIS APPLICATION)

Use butt splice on end of blue wire, and cover other end of splice. This wire will have 12 Volts DC when thermostat switch is in heat position.

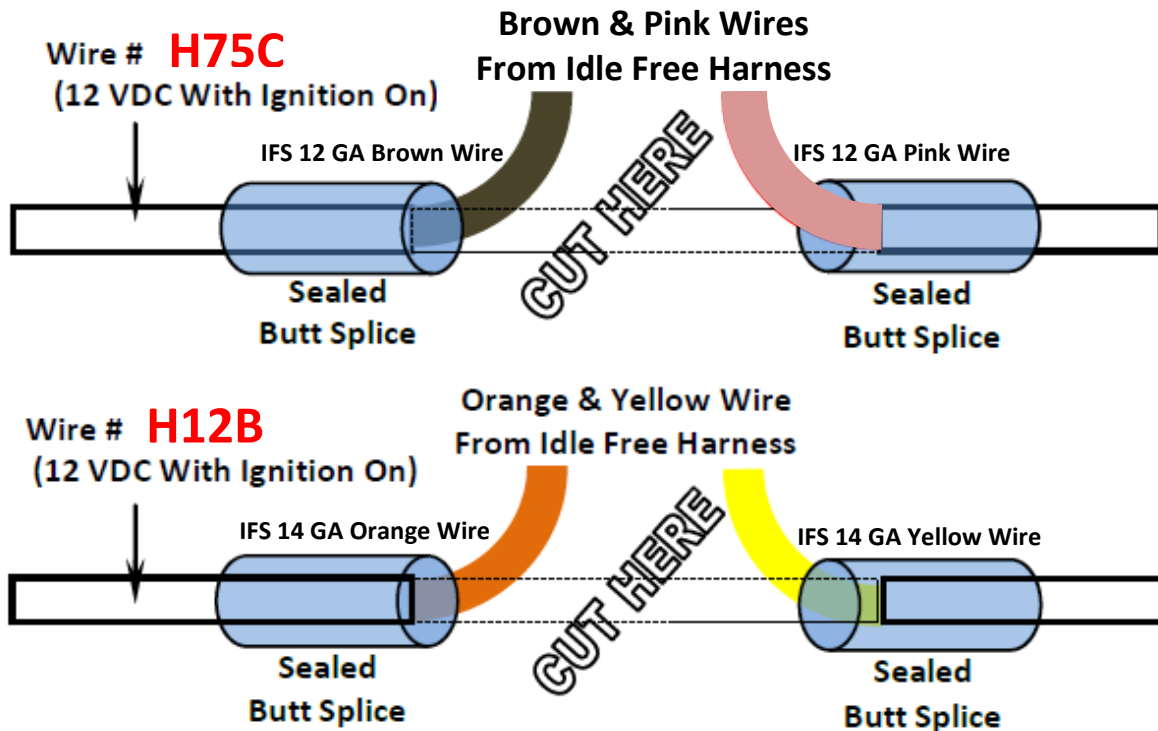
Installation Confirmation:

Proper wiring can be confirmed **AFTER** the exterior heater (coolant heater) has been connected electrically and plumbing is completed. The UBB must have all its necessary wiring in place. 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.

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Each Heater Control Harness bag contains 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 the thermostat.

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

