

Idle Free System Bunk Harness Wiring

INTERNATIONAL LONESTAR/PROSTAR

Wire Connection Location:

There is a single wire location that the fan harness needs to be routed to from the Under Bunk Box. The wires need to be routed to the bunk's HVAC unit. It is located on the passenger side, under the bunk mattress support area.

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:

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 (Located at bunk HVAC system, Passenger side, under bunk)

Locate and isolate wire **H75V**, 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.

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.

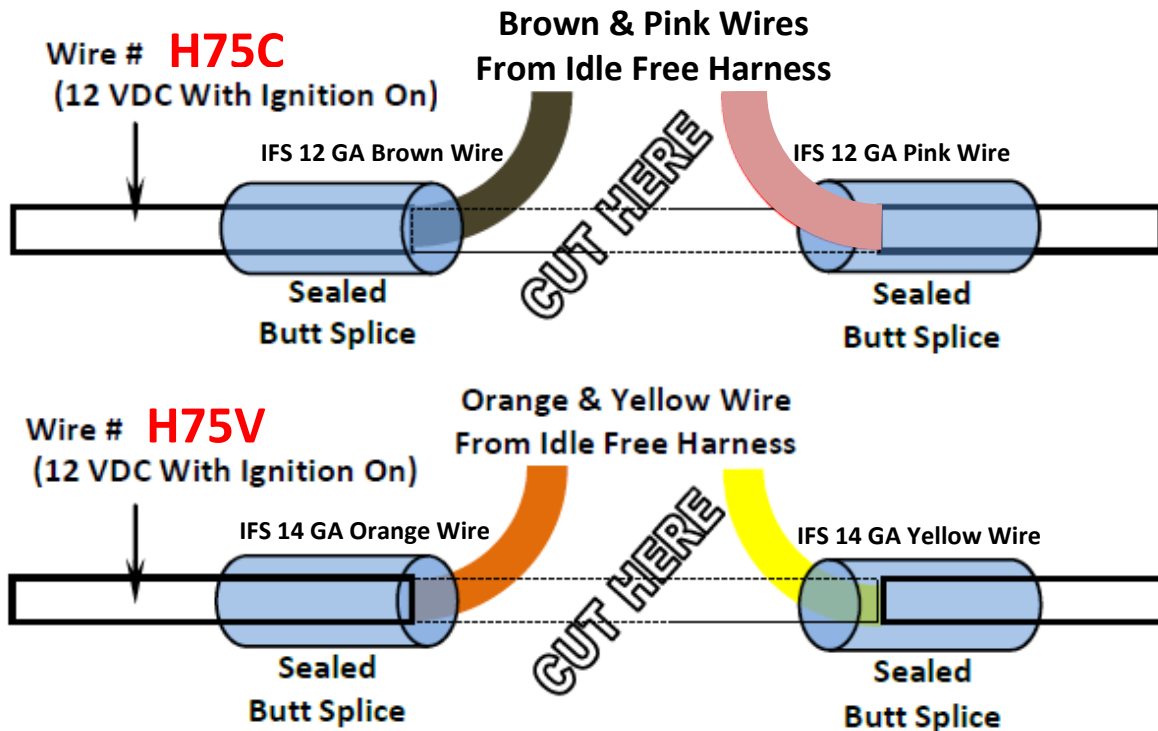
Installation Confirmation:

Proper wiring can be confirmed **AFTER** the exterior heater (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.

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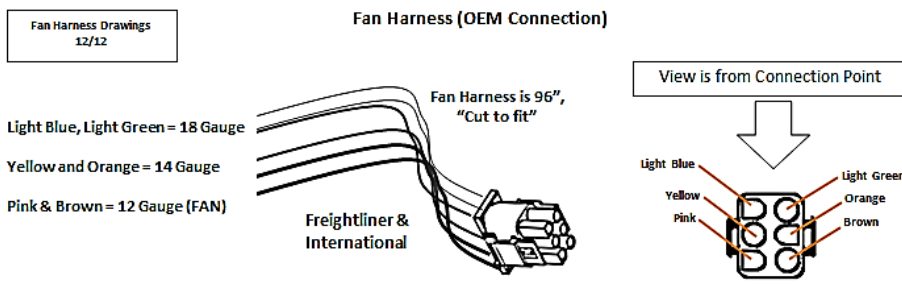


Each Heater Control Harness bag contains a bag with the necessary fuses for the truck the system is being installed in.

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	5 amp
4	NONE

After Installation, The bunk Blower Fan will only operate at 30% if the Ignition Key is in the Accessory position or in the ON position. When the Key is in the OFF position and the IFS heater is ON, the fan will operate at normal speed.



Idle Free System Bunk Harness Wiring OVERVIEW