

# Idle Free System Bunk Harness Wiring

## MACK PINNACLE, VISION

### Wire Connection Location:

The Bunk Fuse block is located 12" forward of driver cargo door, under bunk.

### Wire Access & Identification:

To gain access to this wire, pry the center top of the fuse block out (away from the wall) and push/slide entire fuse block assembly up. Two tabs will disengage from the bunk wall, and allow the entire harness to be accessed

The wire necessary to splice is located in the wire harness that comes from the front of the truck, bends down and has some wires going into the Bunk Fuse Block locate as specified above. The **SINGLE** wire necessary to splice does **NOT** go into the fuse block, but follows the wire loom (harness) down behind the fuse block, and then continues back up wall going further back, over the top of the cargo access door on driver side. Easiest access is attained by removing electrical tape &/or split loom around harness 4" on each side of downward bend in loom as well as any wire protection on the bend itself.

### Wire Connection Colors or Numbers: (Located at the Bunk Fuse Panel Driver Wall, 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 white wire with orange stripe, number **F70-B5**. 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 receive the **Brown wire** butt splice. 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 (confirming there is no power available at either wire end.)** See diagram on next page.

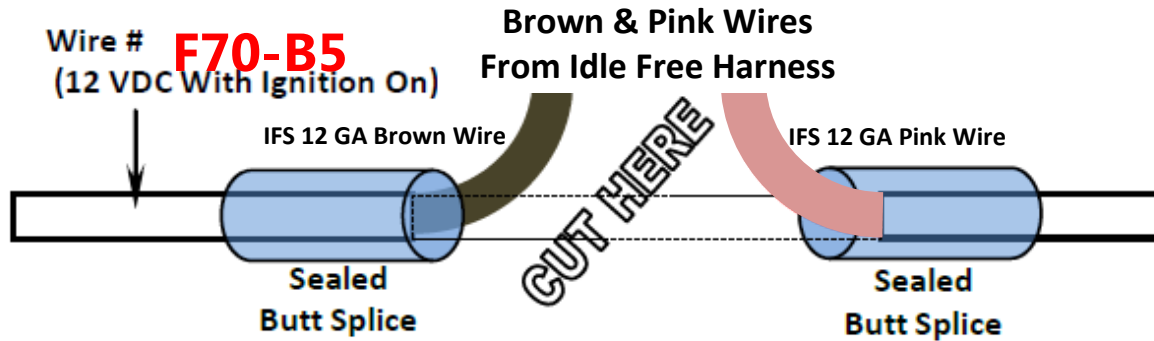
These are the only connections necessary. Reassemble/re-tape harness into original position, and route Idle Free two-wire harness back to Under Bunk Box (UBB). Slide fuse block assembly back into slots, and confirm it 'snaps' into locked position.

### 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.

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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	Mack - All
1	5 amp
2	30 amp
3	NONE
4	NONE

Fan connector, connects into the back of the Under-bed Box, 2 wires used in a 6 pin connector body, Pink & Brown

Pink & Brown = 12 Gauge (FAN)

Mack & Kenworth

