

# Installation Instructions



Blower Interlock Harness P.N. 906582 (Peterbilt)

*Feel the drive*

**Installation / wiring modification instructions for Sleeper Pak P.N. 906582 (Peterbilt). Associated Products - Thermo 90 S & DBW 2010.73**

**For use on the following vehicle(s):**

- Peterbilt Unibilt Sleeper units and heating systems except model 387.

**IMPORTANT! This Blower Interlock Harness is NOT SUITABLE for use on Peterbilt Model 387 Vehicles**

## Kit Contents:

- Thermostat - P.N. 70947A
- Wiring Harness - P.N. 906042B

## Installation Instructions

1. Installing the Webasto thermostat. Locate the thermostat in an area where the routing of the wiring is possible, about half way between the ceiling and bed. Do not locate in the direct airflow from the heat exchanger. The bunk control panel is usually the preferred location.
2. Mount the interlock relays near the heat exchanger.
3. Route the blower interlock harness (with 3-pin Deutsch connector) to the Webasto heater. Route the thermostat harness from the interlock relays at the heat exchanger to the thermostat. Secure every 12 inches.
4. Make the wiring connections at the thermostat and blower low speed wiring as shown in the schematic on page three (3).
5. Plug the Deutsch connector into the Deutsch receptacle located in the Webasto heater enclosure.
6. Insert a 10 Amp. fuse into the fuse holder located in the Webasto heater enclosure.

For questions concerning these installation instructions or products detailed on this sheet, call: 1-800-555-4518 USA  
1-800-667-8900 Canada

## Splicing the Interlock Harness into the OEM Wiring System.

1. Disconnect the batteries or pull the fuses to the bunk blower system.
2. Locate the OEM blower motor wiring harness at the bunk heat exchanger/blower motor assembly (HVAC) system.
3. Locate wire number 248 that runs from the vehicle power source to the blower motor positive connection (orange wire).
4. Cut wire 248 at a point where both cut ends can easily reach the butt connectors "A" & "B" of the interlock harness (see wiring diagram).
5. Connect end of wire 248 that runs to the blower motor into butt connector "A" (see wiring diagram) and crimp securely.
6. Connect the remaining end of wire 248 that runs from the power source into butt connector "B" and crimp securely.
7. Locate wire number 212 that runs from the bunk blower motor speed control to the bunk blower motor resistor pack.
8. Cut wire 212 at a point where both cut ends can easily reach butt connectors "C" & "D" of the interlock harness (see wiring diagram).
9. Connect end of wire 212 that runs from the bunk blower motor speed control into butt connector "C" (see wiring diagram) and crimp securely.
10. Connect the remaining end of wire 212 that runs to the bunk blower motor resistor pack into butt connector "D" and crimp securely.
11. Connect the 16 gauge brown wire with ¼" ring terminal to a suitable ground.
12. Reconnect the batteries or reinsert the system fuses.

# Installation Instructions

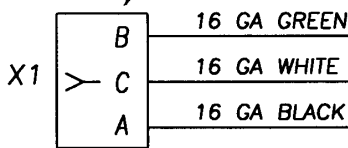


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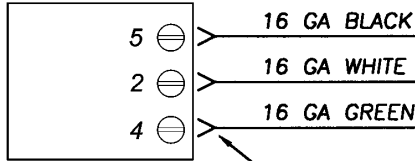
Feel the drive

## Wiring Schematic

CONNECTOR X1 : DEUTSCH  
CONNECTS TO 3-POLE DEUTSCH  
RECEPTICAL INSIDE HEATER  
ENCLOSURE.

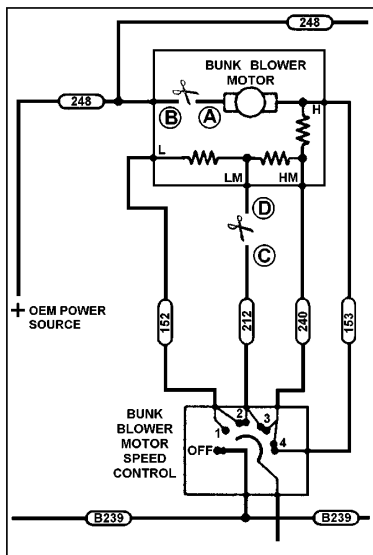


Webasto Thermostat  
P.N. 70947A

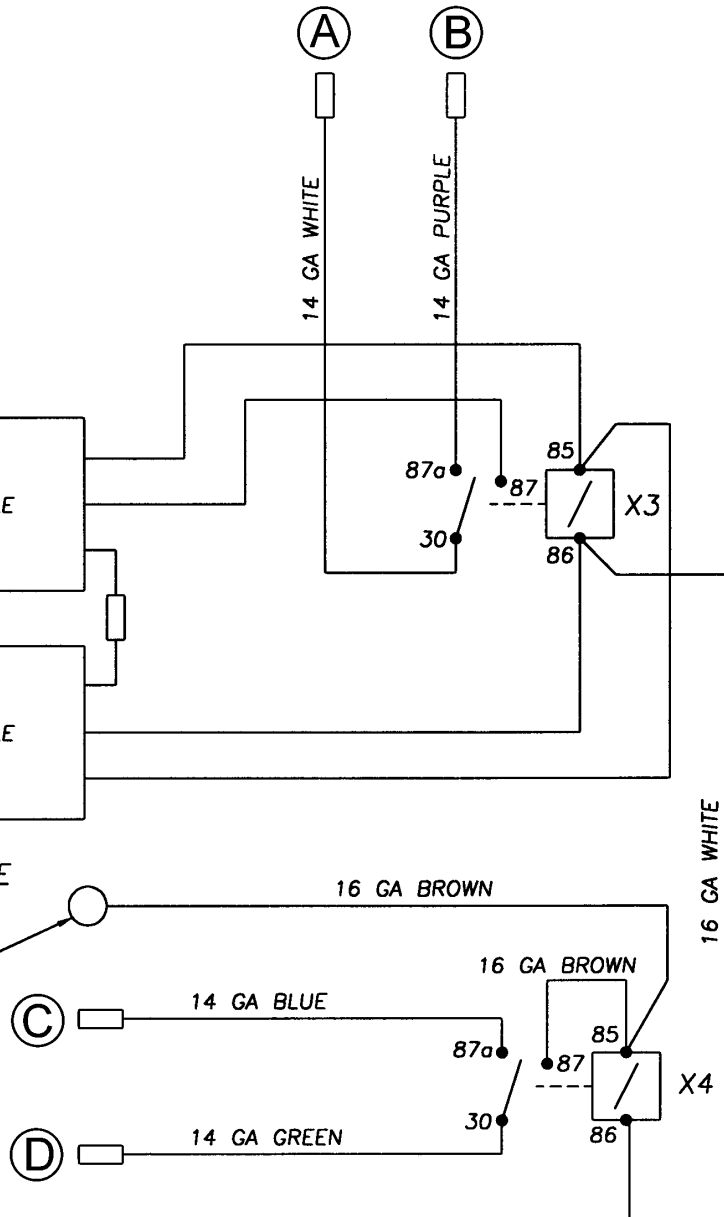


CONNECTOR X2 (3 PLCS)  
TERMINAL: NON-INSULATED FORK SPADE

RING TERMINAL  
1/4" GROUND



OEM BUNK BLOWER  
CONTROL WIRING



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## Final System Checks for Proper Operation

When the Webasto heater is switched on and the thermostat is set to a temperature higher than ambient temperature in the bunk, the bunk blower motor should operate at medium low speed. Turning the thermostat dial to a lower setting than the ambient temperature in the bunk should turn the bunk blower motor off.

**NOTE:** The blower motor speed selector on the bunk control panel must be set to "OFF" during Webasto heater operation. When the Webasto heater is switched off, operation of all bunk blower motor functions should be under normal OEM system control.

## Operation

**IMPORTANT!** For proper operation, the bunk control must be turned to the max. high heat position before the truck engine is turned off. This will ensure the blend air feature of the heat exchanger is in the maximum heat position.

When the thermostat is switched on and the ambient temperature in the bunk is below the set point on thermostat dial, a relay will be energized which will then switch power to the fan allowing it to operate. When ever the system is not in use (thermostat switch "OFF") the fan will operate in the standard mode as before modification.

**NOTE:** The fan speed select switch on the sleeper control panel must be set to "OFF" whenever the Webasto heater and thermostat are in use.