

Installation Instructions



Sleeper Pak P.N. 905670 with Auxiliary Heat Exchanger

Feel the drive

Installation / wiring modification instructions for Sleeper Pak P.N. 905670. Associated Products - Thermo 90 S & DBW 2010.73

For Use on the Following Vehicles:

- Ford Aeromax
- Kenworth AeroCab & Studio Sleeper built before July 1994
- Navistar COE & Conventional
- All other applications where a complete heat exchanger system is desired.

Kit Contents:

- Thermostat - P.N. 70947A
- Wiring Harness - P.N. 905650
- Universal Heat Exchanger - P.N. 905480

Installation Instructions

1. Position the auxiliary heat exchanger in a suitable location under the bed, tool box or other accessible space.
2. Plumb the auxiliary heat exchanger parallel to the factory installed sleeper AC / Heater unit shown in the plumbing schematic on page two (2).
3. Install the air outlet nozzle. Route the ducting from the auxiliary heat exchanger to the outlet nozzle. Ensure there is sufficient return air from the sleeper area to the intake of the auxiliary heat exchanger. Some sleepers may require the installation of an additional air return grille.
4. Install 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.
5. Mount the interlock relay by the heat exchanger.
6. Route the blower interlock (with 3-pin Deutsch plug) and the thermostat harness from the interlock relay at the heat exchanger to the Webasto heater and the thermostat. Secure every 12 inches.
7. Connect the harness to the thermostat as shown on the schematic on page two (2).
8. Plug the heat exchanger portion of the harness into the auxiliary heat exchanger connector.
9. Plug the Deutsch plug into the Deutsch receptacle located inside the Webasto heater enclosure.
10. Insert a 10 Amp. fuse into the fuse holder located inside 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

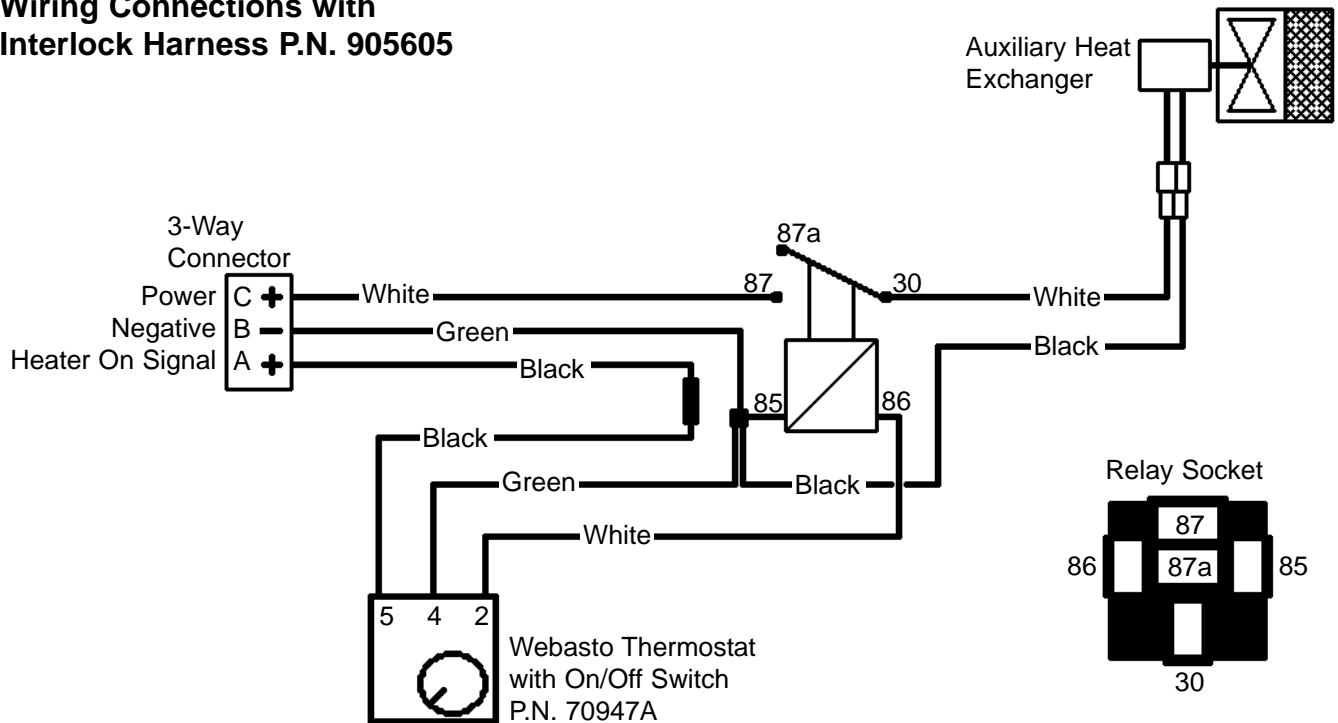
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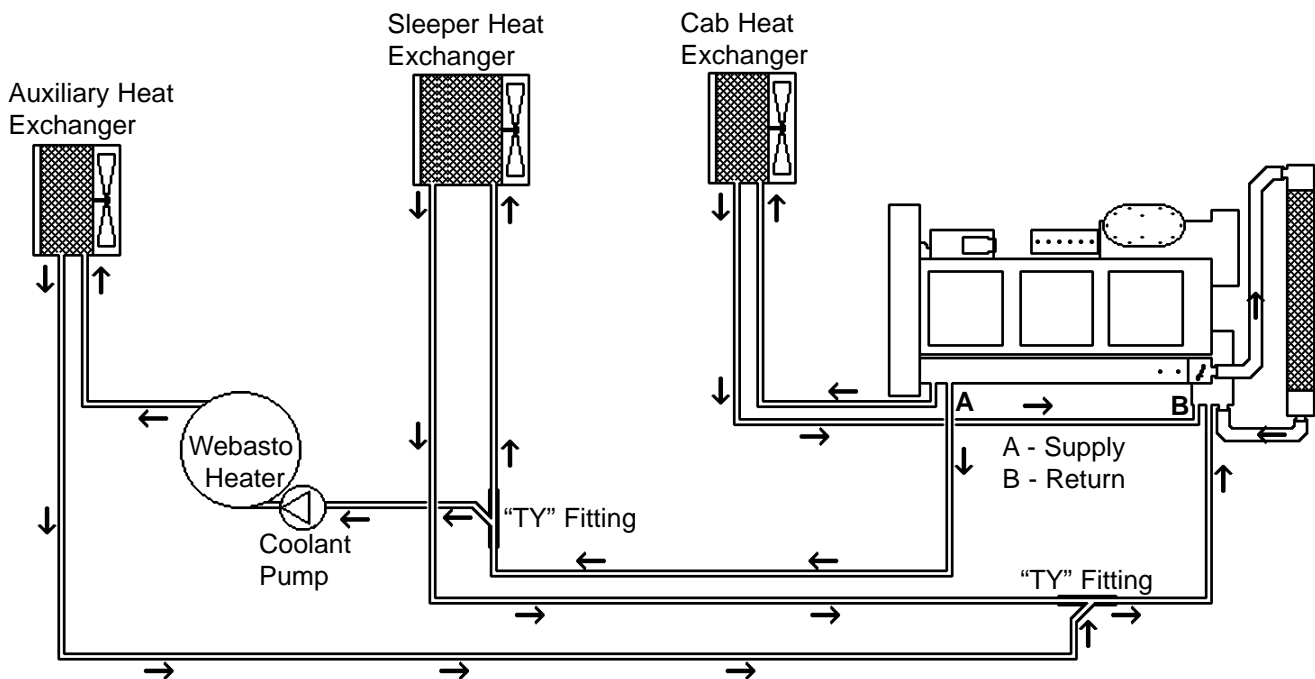
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Wiring Connections with Interlock Harness P.N. 905605



Plumbing Schematic with Auxiliary Heat Exchanger



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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 auxiliary heater 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 blower motor off.

Operation

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 auxiliary heater blower motor allowing it to operate. Whenever the system is not to be in use, switch the thermostat "OFF" to avoid unnecessary battery discharge, for example, during engine preheating or boost heating.