

Installation Instructions

Sleeper Pak P.N. 906558 and P.N. 906668



Installation / wiring modification instructions for Sleeper Pak part numbers 906558 and 906668.

Associated Products - Thermo 90 S & DBW 2010.73

For Use on the Following Vehicles:

- **Kenworth AeroCab built after September 1996**
- **Kenworth Studio Sleeper built after September 1996**

Kit Contents:

- Thermostat - P.N. 70947A
- Wiring Harness - P.N. 905641C for Kenworth AeroCab Sleeper Pak P.N. 906558
Or
- Wiring Harness - P.N. 905654B for Kenworth Studio Sleeper Pak P.N. 906668

Installation Instructions

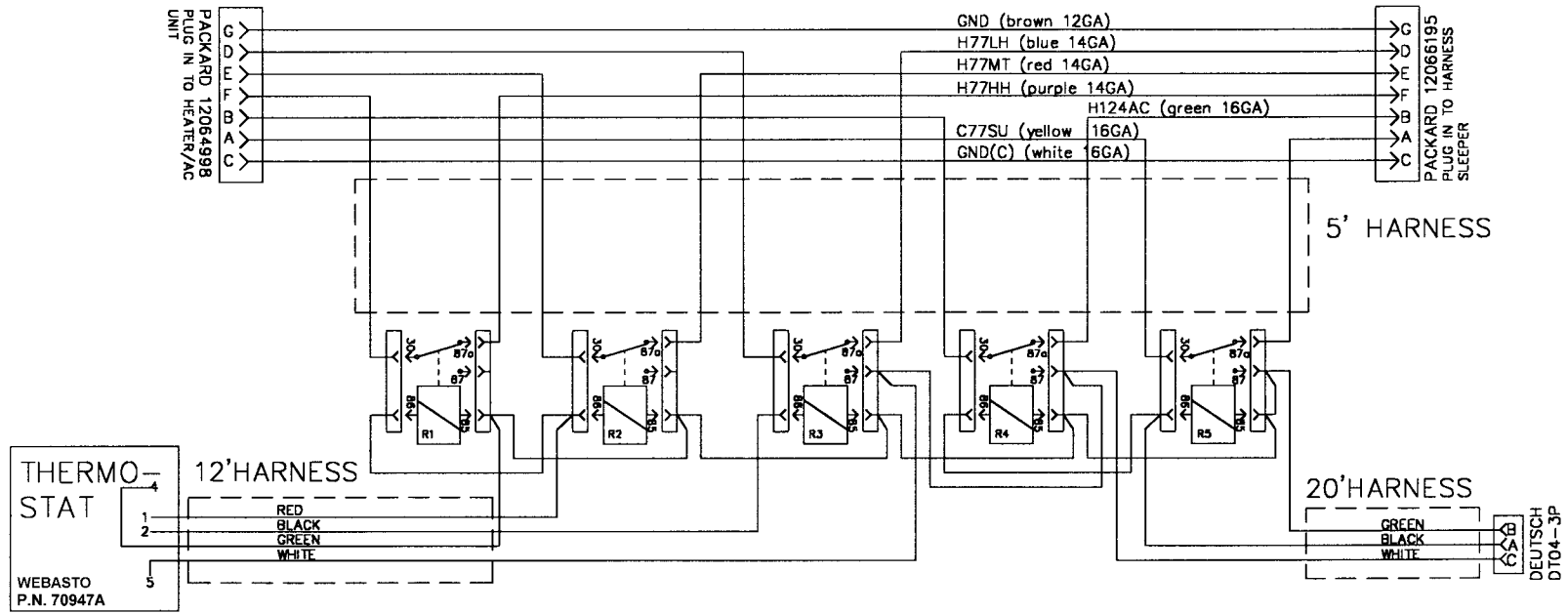
1. Install the Webasto thermostat. Locate the thermostat in an area where the routing of the wiring is possible, about half way between the ceiling and bed. Do not locate in the direct airflow from the heat exchanger. The bunk control panel is usually the preferred location.
2. Mount the interlock relays on the opposite wall of the heat exchanger.
3. Route the blower interlock (with 3-pin Deutsch plug) and the thermostat harness from the interlock relays at the heat exchanger to the Webasto heater and the thermostat. Secure every 12 inches.
4. Connect the harness to the thermostat as shown on the schematic on page two or three.
5. Plug the heat exchanger portion of the harness into the auxiliary heat exchanger connector. The interlock harness plugs in between the black 8-way Packard connector located near the sleeper heater/AC unit.
6. Plug the Deutsch plug into the Deutsch receptacle located inside the Webasto heater enclosure.
7. Insert a 10 Amp. fuse into the fuse holder located inside the Webasto heater enclosure.

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KENWORTH AEROCAB SLEEPERS, USE W/BERGSTROM SLEEPER HEATER/AC UNIT.
CHASSIS BUILT AFTER APPROX. AUG. 1996. REFER TO R115-6030



THE WEBASTO SLEEPER PAK (P.N. 906558) HARNESS PLUGS IN BETWEEN THE BLACK 8-WAY PACKARD METRI-PACK CONNECTOR, LOCATED NEAR THE SLEEPER HEATER/AC UNIT.

- R1 LOCKS OUT THE BLOWER HIGH SPEED CIRCUIT.
- R2 LOCKS OUT BLOWER MEDIUM SPEED CIRCUIT.
- R3 THERMOSTATICALLY CONTROLLED BLOWER LOW SPEED CIRCUIT.
- R4 POWER TO WATER VALVE ACTUATOR.
- R5 GROUND TO WATER VALVE ACTUATOR SIGNAL CIRCUIT

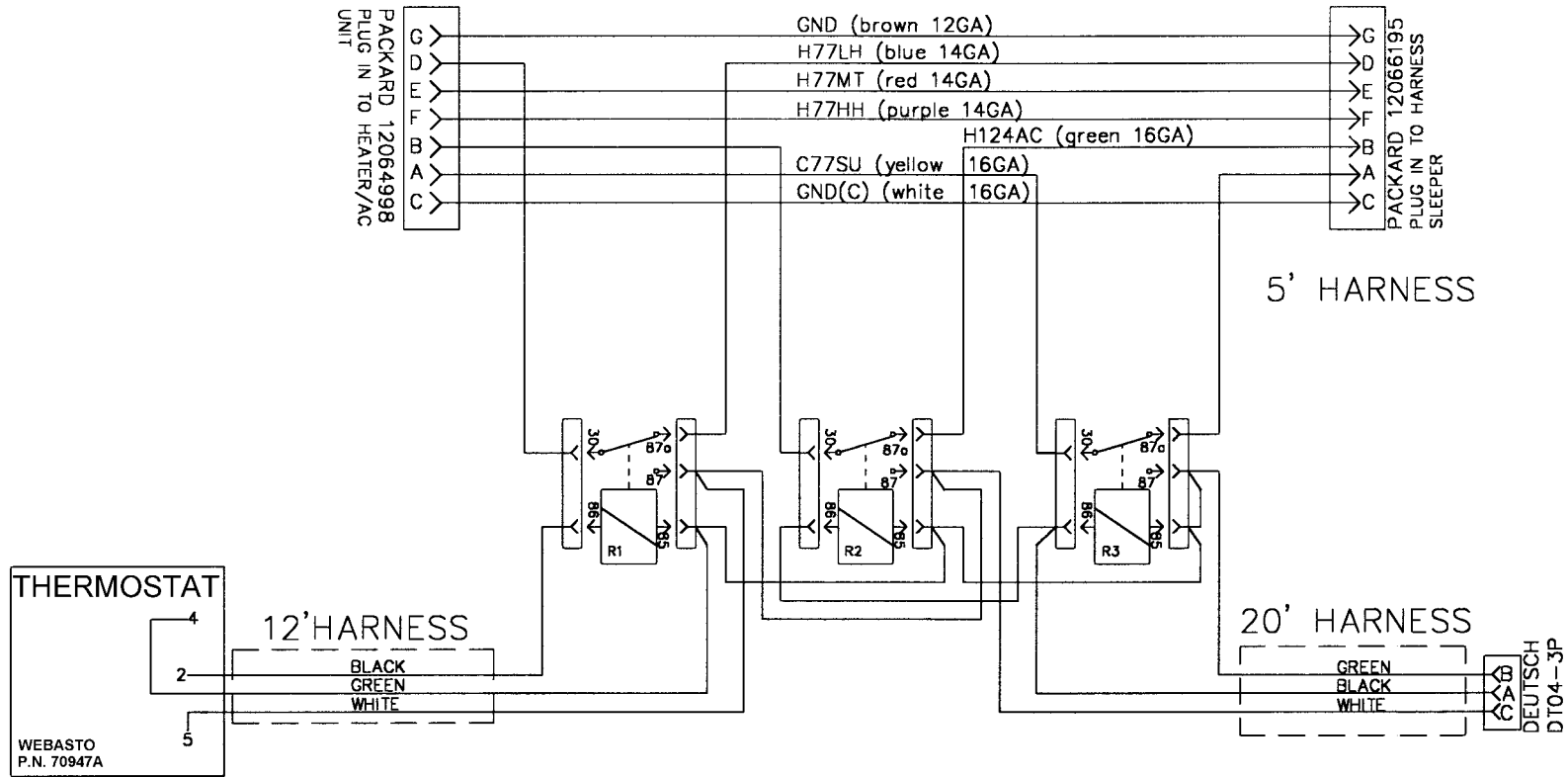
Rev. 12/00
P.N. 905641C

Installation Instructions

Sleeper Pak P.N. 906558 and P.N. 906668



KENWORTH STUDIO SLEEPER, USE W/BERGSTROM SLEEPER HEATER/AC UNIT.
CHASSIS BUILT AFTER APPROX. AUG. 1996. REFER TO R115-6029



THE WEBASTO SLEEPER PAK (P.N. 906668) HARNESS PLUGS IN BETWEEN THE BLACK 8-WAY PACKARD METRI-PACK CONNECTOR, LOCATED NEAR THE SLEEPER HEATER/AC UNIT.

- R1 THERMOSTATICALLY CONTROLLED BLOWER LOW SPEED CIRCUIT.
- R2 POWER TO WATER VALVE ACTUATOR.
- R3 GROUND TO WATER VALVE ACTUATOR SIGNAL CIRCUIT

Rev. 12/00
P.N. 905654B

Final System Checks for Proper Operation

Start the vehicle engine and set the sleeper heat control to maximum heat position to open modulating valve in full flow position. Shut down vehicle engine.

Switch the Webasto heater and the thermostat on. Setting the thermostat to a temperature higher than ambient temperature in the bunk will energize the blower interlock relays which will switch power to the fan motor allowing it to operate. The heater blower motor should operate at a 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

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 that the coolant modulating valve is in the maximum heat (full flow) position.

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.

Switch the Webasto heater and the thermostat on. Setting the thermostat to a temperature higher than the temperature in the bunk will energize the blower interlock relays which will switch power to the fan motor allowing it to operate. Once the temperature in the bunk reaches the thermostat setting, the thermostat will cycle the bunk heater fan off and on to maintain the desired temperature.

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.