

Helpful Hints

Getting the Most from the Kenworth Clean Power System

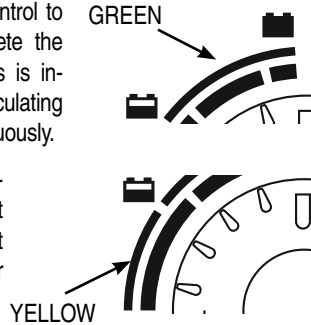
1. Use the Cab A/C system to “pull down” the interior temperature first, then use the Kenworth Clean Power System to maintain the temperature in the Sleeper. This will extend the use of the Storage Cooler capacity.



NOTE: The Kenworth Clean Power System is completely independent from the cab HVAC system.

2. Park the vehicle in the shade during daylight hours.
3. Close all curtains and shades.
4. Set the temperature control in the green zone. This will extend the use of the cold storage capacity.

- a. Setting the temperature control to the yellow zone will deplete the Storage Cooler faster. This is indicated by the Coolant Circulating Pump LED being on continuously.



- b. The sleeper vent outlet temperature should be at least 20° lower than the ambient sleeper temperature after 30 minutes.

Sleeper Heater

5. If the Main Battery Disconnect Switch is used, allow 3 minutes between shutting off the heater and turning off the battery disconnect. The heater needs 3 minutes to purge residual fuel in the heater; otherwise, the next heater startup will generate heavy smoke.
6. The Kenworth Clean Power System Main Fan Control Dial can be used in conjunction with the heater to circulate heated air coming out of the lower under bunk vent.



NOTE: The main fan control does not control the heater fan speed. This is regulated automatically by the heater.

Electrical System

7. The Kenworth Clean Power System has a different electrical system compared to a traditional truck. Refer to the Kenworth Operator's Manual for details.
8. Refer to the Kenworth Operator's Manual for charging/jump-starting instructions.
9. System voltage on vehicles equipped with the Kenworth Clean Power System is much higher than on traditional trucks. System voltage can reach 14.8 Volts while engine is on.



CAUTION: Switching the position of the Main Battery Disconnect Switch while the engine is running may damage the electrical components. Do not switch the Main Battery Disconnect Switch with the engine running. Failure to comply may result in equipment or property damage.

10. Low Voltage Disconnect (LVD) will disconnect the Kenworth Clean Power System and all non-essential loads when voltage is below 11.0 Volts.
11. Voltage Gauge on dash only reads main battery voltage.
12. Running excessive electrical loads will deplete batteries faster.



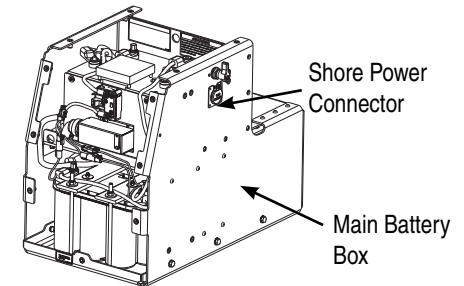
Clean Power™ System Quick Reference Guide

KENWORTH cannot anticipate every possible circumstance that might involve a potential safety hazard. The alerts (Warnings, Cautions, and Notes) in this manual and on the vehicle are, therefore, not all inclusive. It is your responsibility to constantly be alert and attentive for ANY condition which represents a potential safety hazard.

Charging the Storage Cooler

Before using the sleeper air conditioning system, the Storage Cooler must be charged. In order to charge the system you must:

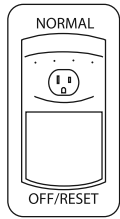
- 1a. Plug into a 20-Amp Shore Power source (located at rear of LH back of sleeper battery box).



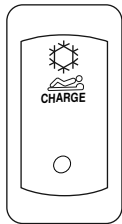
or

- 1b. Run the engine. See “Charging Notes” on the next page.

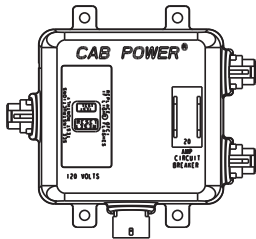
- Turn the Inverter/Charger Switch on (located on sleeper control panel).



- Turn the Charge/Enable Switch on (located on cab dash).



NOTE: If the system does not start charging, ensure the 120-Volt AC 20-Amp circuit breaker and GFCI are on (located in the LH sleeper toolbox).



Charging Notes:

- On Shore Power, the condenser fan in the RH frame-mounted A/C charge unit will come on immediately and the compressor will start after 2 minutes.
- On engine mode and upon initial engine startup, the condenser fan will start after 20-60 minutes and the compressor starts 2 minutes after that.
- The Air Conditioning Charge Unit compressor will not turn on if the outside temperature is below 55°F.

General Information:

- Charging (fully freezing) the A/C Storage Cooler will take 4 to 6 hours depending on outside ambient conditions.
- “Top off” charging will occur automatically if plugged into Shore Power or if the engine is running to maintain a full Storage Cooler charge. This can occur as often as every 15-20 minutes.
- There is no required order for operating the switches to start charging the system.

Operating the Sleeper HVAC System and Other Functions

A/C Mode

- Turn Air Conditioning/Heating Switch to the air conditioning ON position.
- Turn Fan Control Dial clockwise to any ON position.
- Rotate Temperature Control Dial counterclockwise to any desired temperature setting in the blue band.



NOTE: Coolant Circulating Pump LED will illuminate when the temperature control determines chilled air is required to maintain the desired setting.

Heat Mode

- Turn Air Conditioning/Heating Switch to the heat ON position.
- Rotate Temperature Control Dial clockwise to any desired temperature setting in the red band.



NOTE: Heater fan speed is controlled automatically. See “Helpful Hints.”

Fresh/Recirculation Air Mode

- Turn Fan Control Dial clockwise to any ON position.
 - Turn Fresh Air/Recirculation Switch to the FRESH position.
 - Turn Fresh Air/Recirculation Switch to the RECIRCULATION position. Use this mode for maximum A/C cooling.

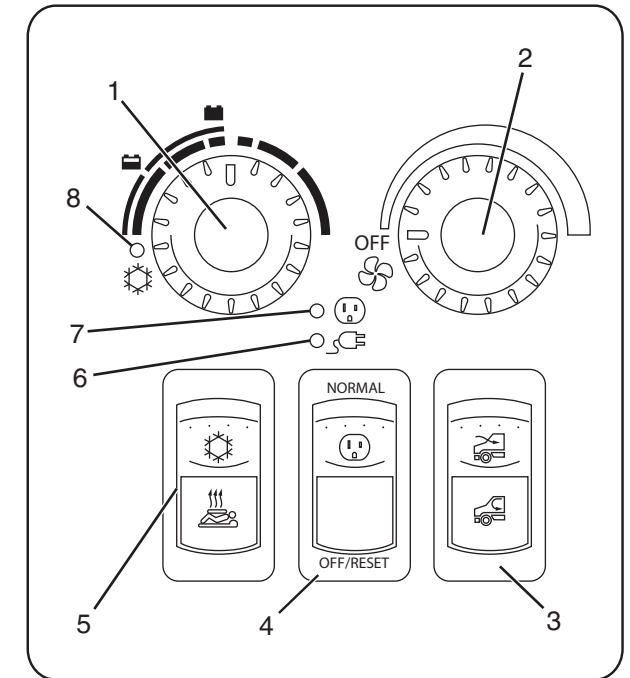
Inverter Functions

- Turn Inverter/Charger Switch to the NORMAL position to activate Inverter.
- Inverter/Charger LED will turn green in Inverter Mode only.

- If Shore Power is plugged in, Inverter/Charger LED will turn orange and Shore Power LED will turn green.

HVAC Controls

Sleeper Control Panel (located in Sleeper)



- Temperature Control Dial
- Fan Control Dial
- Sleeper Fresh/Recirculation Air Switch
- Inverter/Charger Switch
- Air Conditioning/Heating Switch
- Shore Power Lamp LED (120VAC)
- Inverter/Charger Lamp LED
- Coolant Circulating Pump LED