



INSTALLATION INSTRUCTIONS

46113-5501 DISTRIBUTION BOX

This electrical power distribution box provides a means to connect power from an auxiliary power unit such as an onboard generator, or shore power when available, to operate the Airxcel, Inc. 46111-8114 or 46113-8114 under bunk air conditioner.

This box provides a 25 Amp circuit breaker for the air conditioner and a separate 15 Amp circuit breaker for an 115V duplex receptacle located on the box to allow access to power for auxiliary loads.

The box may be mounted in any orientation, take care to allow sufficient space for insertion and extraction of the twist lock receptacle and associated wiring and to allow access to the duplex receptacle and breaker switches. Mounting is accomplished by using field supplied fasteners through the four mount holes in the box flanges. Mount to the floor, walls or bulkheads inside the sleeper cab near the air conditioner. Insure that the mount method results in a mechanically secure installation.

WARNING: SHOCK HAZARD - DO NOT DRILL INTO THE DISTRIBUTION BOX. TURN OFF ALL POWER PRIOR TO INSTALLATION OF THIS BOX.

Use minimum 12 Ga. field supplied wiring to connect between the distribution box and the air conditioner pigtail power wires (See wiring diagram supplied with air conditioner). The distribution box cover must be temporarily removed to wire between the box and the air conditioner.

Use minimum 10 Ga. field supplied Wiring to the twist lock receptacle from the generator. One twist lock receptacle is supplied with this box.

For operation on shore power the generator connected twist lock receptacle may be disconnected and a *separate* twist lock receptacle (available as Airxcel part number 1216-004) may be connected to a length of RV extension cord (usually available with a molded 30 Amp plug on one end). The receptacle end of the extension cord will need to be removed and wired to the new twist lock receptacle. These RV extension cord sets can be obtained from most RV dealers, Wal-Mart and Travel Centers.

This provides a means to operate the air conditioner on shore cord when available and insure complete electrical isolation from the generator.

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