

EQUIPMENT INNOVATORS

**800 Industrial Park Drive
Marietta, GA 30062-2431**

Local : (770) 427-9467

Toll Free : (800) 733-3434

Fax : (770) 425-2350

WARRANTY INFORMATION

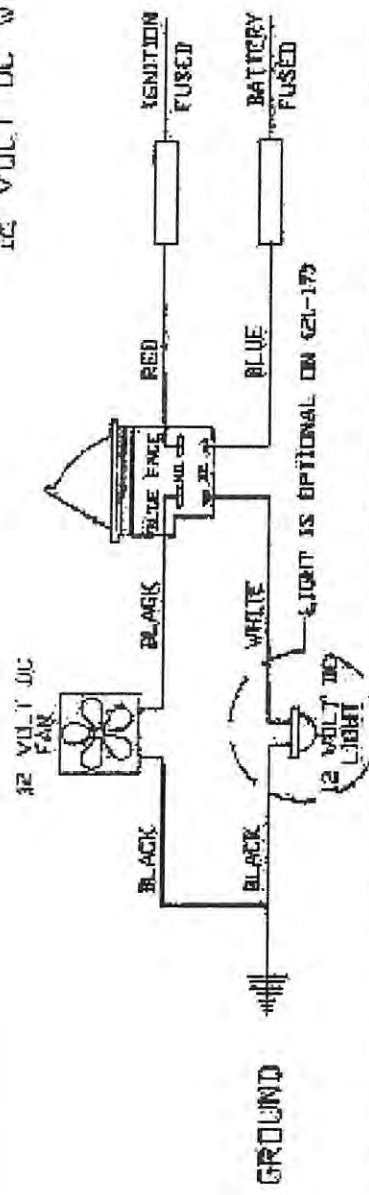
220 Volt *omnicube*[®]

Important

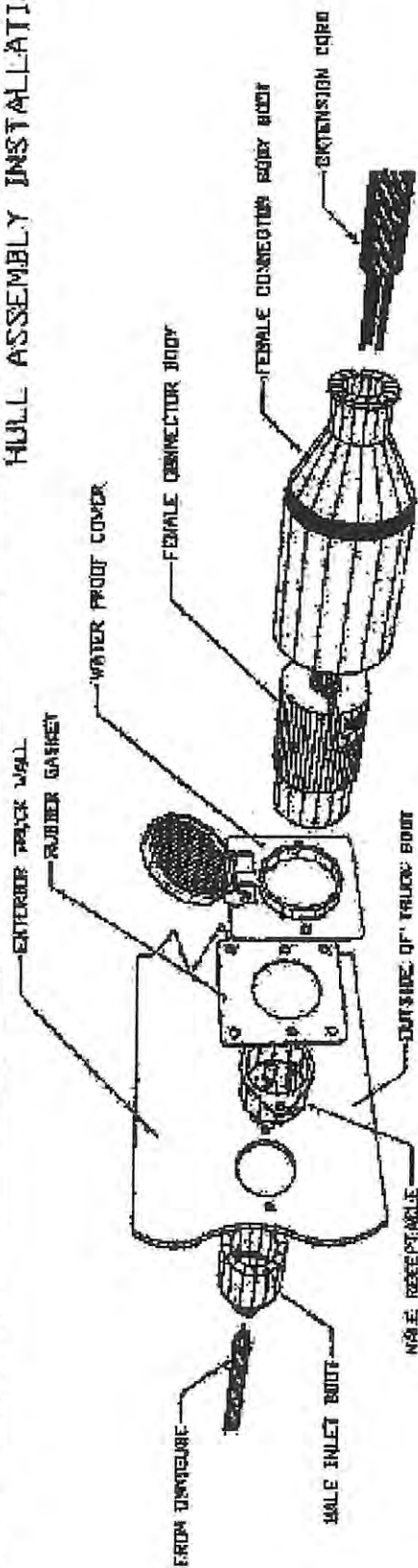
omnicube® Transport Refrigerator Installation Instructions

1. After unpacking, inspect cabinet and report any concealed damage immediately to the delivering carrier. This must be done **IMMEDIATELY** upon receipt of transport refrigerator. **ALL CLAIMS FOR DAMAGE MUST BE FILED WITH DELIVERING CARRIER.**
 2. After the transport refrigerator has been placed in truck at the desired location, and allowing at least three inches of air space around condensing unit, we suggest you obtain 1" x 1" x 1/8" aluminum angle and fasten to bottom extrusion of transport refrigerator around its perimeter . Use #14 self tapping screws on 10" centers. You should use bracing from top of transport refrigerator to top side of truck to prevent the transport refrigerator from tipping forward in case of collision. This top bracing is **MANDATORY**.
 3. The truck needs to be vented. If not vented, the heat build-up in the truck will be extreme and the refrigeration system will not operate properly.
- CAUTION: LOOK UNDER TRUCK BEFORE YOU DRILL. DO NOT DRILL INTO GAS TANK, BRAKE LINE OR ANY OTHER SUBFRAME STRUCTURES.**
4. Next, drill a 5/8" diameter through drain pan in **omnicube®** and through the truck floor. Insert plastic drain tube. Silicone around lip of tube to make it water tight. Slip rubber kazoo tube onto plastic tube from under truck.
 5. Cut 1 5/8" hole in side of truck where you desire ground line connection. We suggest the driver's side of the truck so that the driver will know to unplug the unit prior to moving the vehicle. Install hull assembly furnished with transport refrigerator. Connect 14-3 wire from transport refrigerator to this hull assembly. (See schematic).
 6. You must have at least 107V (minimum) AC to hull assembly for unit to operate properly. Extension cord must be 14 gauge up to 25' and 12 gauge over 25'. Check your extension cord.
 7. The single red 14 gauge wire should be connected to ignition fused to power the 12 VDC cold plate fan motor. The single blue 14 gauge wire should be connected to battery fused to power the interior light. Both of these circuits need to be protected with the 5 amp inline fuses supplied. The single black 14 gauge wire should be grounded to the truck frame.
 8. This unit has been charged, set and tested at our factory prior to shipment.
 9. If you need more information on installation or maintenance, please call (770) 427-9467 or (800) 733-3434.

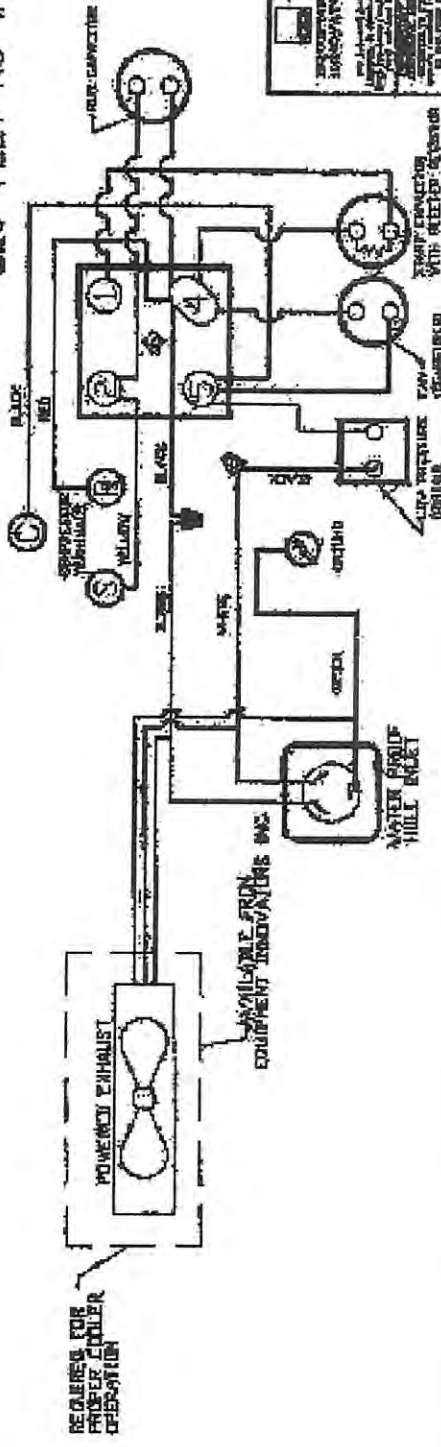
12 VOLT DC WIRING SCHEMATIC



HULL ASSEMBLY INSTALLATION



220 VOLT AC WIRING SCHEMATIC



EQUIPMENT INNOVATORS
 14401 S. 14th Ave., Suite 100, Denver, CO 80232
 (303) 751-1440
 FAX: (303) 751-1441
 WWW: www.equipmentinnovators.com

omnicube® LIMITED WARRANTY

Equipment Innovators (the "Company") warrants to original owners of any new omnicube® purchased from the Company that, at the Company's election, it will either repair or replace any part of the omnicube® cabinet structure and ice packs (excluding refrigeration system defects) made necessary (upon test and examination by the Company or an authorized, pre-approved third party to the Company's satisfaction) because of defects in parts or workmanship, for twelve (12) months from date of invoice.

The omnicube® cabinets and ice packs are warranted provided that:

- a) The Company is notified of the defect within thirty (30) days after it is discovered.
- b) Any defective part is returned to the Company at 800 Industrial Park Dr., Marietta, GA 30062, freight prepaid.
- c) The omnicube® is not repaired or altered outside of the Company's factory unless pre-authorized by the Company.

For refrigeration systems, the Company warrants that, at the Company's election, it will repair any defects in material or workmanship to any portion of the refrigeration system (upon test and examination by the Company or an authorized, pre-approved third party to the Company's satisfaction) that occur within ninety (90) days of invoice. Examples of refrigeration system defects are inadequate cooling and refrigerant leaks. Warranty of refrigeration system components (such as compressors) is subject to the provisions of third-party manufacturers stated below. The refrigeration system is warranted provided that:

- a) The Company is notified of the defect within thirty (30) days after it is discovered.
- b) The refrigeration system is not repaired or altered outside of the Company's factory unless pre-authorized by the Company.

The foregoing warranty (the "warranty") and the Company's liability in connection with the sale of the omnicube® are limited as follows:

1. The warranty is in lieu of all other warranties, expressed or implied, including, without limitation, implied warranties of merchantability and fitness for a particular purpose.
2. The owner hereby waives any claim it may have against the Company for any loss, damage or expense of any kind whatsoever caused by the omnicube® or by any defect therein, the use or maintenance thereof, or any servicing or adjustment thereto, not expressly covered by the warranty. The owner further agrees that the company will not be liable, regardless of the form of action whether in contract or in tort, for any direct, indirect, incidental, consequential, or special damages of any nature whatsoever, including, but not limited to, damages arising from loss of use of the omnicube®.
3. The Company's liability shall in no event exceed the contract price for the part claimed to be defective.
4. The warranty does not extend to any part which has been subjected to misuse, alteration by anyone other than the Company, neglect, accident, improper installation or use in violation of instructions furnished by the Company or the Company's suppliers.
5. The warranty does not extend to or apply to any part which has been repaired or replaced at any location other than the Company's factory or by persons not expressly authorized by the Company prior to such repair or replacement, nor to any part of which the serial number, model number or identification has been removed, defaced or changed.
6. The warranty does not extend to any accessories or items manufactured or installed by third parties, even though the company may recommend use of such items in connection with its product. Warranty of such items is limited in time to that provided by the respective manufacturer. Items manufactured by third parties include cold plates and compressors.

THE MOST COMMONLY ASKED QUESTIONS ABOUT THE **omnicube**[®]

1. Can I stack anything on top of my **omnicube**[®]?

No. Never stack anything to block the air intake and exhaust of the condensing unit.

2. What can I do about product freezing in my **omnicube**[®]?

Without an overnight storage kit, the **omnicube**[®] is not designed to hold product overnight. The coldplate is cooled to approximately 15°F, this will cause the temperature inside your **omnicube**[®] to drop below freezing overnight.

3. How often should I defrost my **omnicube**[®]?

If the ice on the coldplate exceeds 1/2" in thickness, the **omnicube**[®] needs to be defrosted. Ice is an insulator. It must be removed from the face of the coldplate for proper heat transfer. While you are defrosting the **omnicube**[®] it is a good time to clean and inspect the interior of the unit. Use a hose and water to defrost the coldplate but do not use hot water or steam to melt the ice. If you have excessive ice build-up check the door gasket for proper seal.

4. How can I be sure that the gasket on the door of my **omnicube**[®] is sealing properly?

To check for proper seal, place a piece of paper (dollar bill size) on the lock side of the door and shut the door. If the paper slides up and down, the door is too loose. To tighten the door, use a hammer and a flat piece of metal to 'tap' the striker plate back until the paper is snug in the door. This usually requires less than 1/16".

5. What should I do if the compressor doesn't run?

- a. Make sure the unit is getting power.
- b. Determine if there is power on the Low Pressure Control Terminals 1 and 4. (See schematic)
 1. If there is power on terminals 1 and 4 and the compressor does not run, there could be a loose wire to the compressor or the compressor is inoperative.
 2. If there is no power on terminals 1 and 4, check for low Freon pressure and/or a leak.
 3. If the unit is in warranty (one year from date of purchase) call (800)733-3434.

6. What should I do if I have a Freon leak?

If unit is still in warranty (one year), please call us at (800)733-3434. When you call, please have the **omnicube**[®] model and serial # which is located on the front of the door or the side of the cooler depending on model as well as the condenser serial # which is located on the base of the condenser unit.

7. What should I do if the circulation fan doesn't come on inside my **omnicube**[®] when I depress the door switch?

The fan is wired into the ignition switch of the vehicle, so with the ignition switch on, depress the switch on the door. Even when running, the fan is very quiet, so please make sure air is flowing through the air duct by feeling for air flow with your hand.

IMPORTANT: Check the fan for proper operation on a regular basis, because the fan keeps your product cold and aids in removing ice build-up on the cold plate through a 'scrubbing' action.

8. Do I need a power exhaust kit in my vehicle that contains my **omnicube**[®]?

Yes, the power exhaust kit is required unless you plan to leave the vehicle doors open at night. The compressor needs cool air to operate correctly.

9. Do I need an air intake kit in my vehicle that contains my **omnicube**[®]?

Yes, the air intake kit is required unless you plan to leave the vehicle doors open at night. It is necessary to replace the air that is being exhausted from the vehicle by the power exhaust.

10. What settings should my low pressure control have?

The differential side should be set at 10 and the cut in pressure should be set at 13 for a refrigeration unit. The settings are different for a freezer unit. (See schematic).

Taking Care of Your **omnicube**[®]

For omnicube[®] Using Cold Plate Refrigeration:

- Make sure you have air flowing from inside to outside the truck. A powered exhaust vent with a passive intake vent (or open window) is ideal. **DO NOT OPERATE CONDENSING UNIT IN A CLOSED, UNVENTED TRUCK.** This is the number one reason for premature compressor failure through heat buildup.
- Keep air flow area around condensing unit unobstructed. Interfering with the air flow will cause the condenser to run hot and ultimately fail prematurely.
- Completely defrost the cold plate periodically. Ice build-up on cold plate acts as an insulator and inhibits the plate's ability to transfer cold. This is because the plate is operating at a lower temperature (i.e., 18°F for refrigerated foods), while ice is at 32°F. The ice is an obstruction for heat transfer from the plate.
- Visually inspect the **omnicube**[®] regularly. Repair and correct any problems immediately.
- Clean **omnicube**[®] regularly with soapy water.

For omnicube[®] Using Removable, Rechargeable Ice Packs:

- The blue ice packs are for keeping 60 - 70°F temperature inside the cabinet. The green ice packs are for 40 - 45°F. Use the blue packs for candy and the green packs for food.
- Freeze ice packs in flat position. Do not freeze in upright or side position.
- Freeze packs thoroughly. How long this actually takes depends on the temperature your freezer maintains. Most commercial grade freezers will easily freeze and refreeze the packs in 10 - 12 hours.
- Visually inspect **omnicube**[®] regularly. Repair or correct any problems immediately.
- Clean **omnicube**[®] regularly with soapy water.

omnicube[®] Transport Refrigerator Specifications

The panels are 1-3/4" thick and fabricated from seamless prefinished .090 fiberglass reinforced plastic sheets laminated to both sides of a two pound density polyurethane core. The panels are installed in anodized aluminum extrusions with a molded-in thermo-barrier cavity. All joints are silicone sealed. All sheet metal is aluminum or stainless steel. The tig-welded, water-tight drain pan runs from side wall to side wall and from rear wall forward. It is equipped with a recessed one way drain tube. All exposed edges are siliconed to walls and floors. The door and front frame are welded for strength and durability.

Gaskets are molded, replaceable pop-in style.

Hinges are stainless steel, offset for full cavity daylight access when door is open 90°.

The stainless steel, locking paddle latch is recessed and flush mounted. An inside panic release which overrides the locked (or unlocked) paddle latch is standard.

Plugs into standard 115 volt household electrical circuit. Holdover cold plates charge while you sleep and provide consistent refrigeration all day - even under the most severe outside temperatures.

Circulating fan, 12-volt DC, provides uniform temperature throughout cabinet. Electrical: 115 volt AC, 50/60 cycle, single phase. No special electrical wiring needed. Furnished with UL approved, moisture proof, non-corrosive hull connector with interior anti-shock cover sleeve, including mating waterproof plug.

EQUIPMENT INNOVATORS

omnicube® Maintenance/Troubleshooting Tips

1. If you have a refrigerator with a condenser inside the truck body and you leave it parked outside with the doors closed (especially in the summertime), you **MUST HAVE A POWERED EXHAUST VENT** installed on the roof. A Powered Exhaust Vent can be purchased from us (see "omnicube Accessories") or you might be able to find one locally. Our Powered Exhaust Vent is rated at 900 cubic feet per minute.
2. **DO NOT BLOCK THE AIRFLOW** over the condenser.
3. If the ambient temperature is above 110 degrees F, a truck parked in the sun in warm months (80+ degrees at 7:00 p.m.) will be 120+ degrees inside if there is no ventilation. The condenser will run but there will be no cooling; the condenser will run until the motor cooks itself.
4. If parked inside, the doors need to be left open for fresh air.
5. Plug the unit in at night for 8+ hours. If you use an extension cord, make sure it is heavy enough to provide the power the condenser needs (varies by unit). Ask your electrician to help with the gauge of the wire.
6. Clean unit with warm soapy water and a soft brush.
7. Oil the lock and hinges at least every 6 months.
8. Defrost unit when there is a 1 inch ice bank on the coldplate.
9. All parts are replaceable.