

4 12 Volts DC Wiring To R.V.

Blue wire 12 VDC output to lights and motors
White wire 12 VDC negative for lights, motors, battery
Red wire 12 VDC positive from R.V. battery

5 Limited WARRANTY

MagneTek, Kokomo warrants its products to be free from defects in material or workmanship under normal use and service and limits the remedies to repair or replacement.

This warranty extends for one year from the date of purchase and is valid only to the original owner and within the continental limits of the United States and Canada.

If a problem should occur with your MagneTek converter within the first twelve months after purchase, please contact a dealer that handles warranty on your brand of RV. No user serviceable parts inside.

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Series 6400A

OWNER'S OPERATION and WARRANTY GUIDE

Models 6406, 6409, 6415 Electrical Center

MODELS 6406, 6409 and 6415 contain these standard features:

- 1. AC CIRCUIT BREAKER** — 120 volts — located in front panel for AC branch circuit distribution and protection within the Recreational Vehicle (RV).
- 2. POWER CONVERTER** — Provides 12 volt DC power — up to load limit — to operate 12 volt lights and motors in RV when connected to 120 volt power source.
 - A. 6406 — designed for 6 amps maximum continuous load
 - 6409 — designed for 9 amps maximum continuous load
 - 6415 — designed for 15 amps maximum continuous load.
- 3. 12 VOLT DC FUSEHOLDER** — Contains a 12 volt type AGC replaceable fuse(s) in front panel for protection of 12 VDC light and motor line in RV.
- 4. 120 VOLT AC RECEPTACLE** — Rated at 10 amps maximum 120 VAC. (Optional-Note: Code W is without receptacle.)

Series 6400A Electrical Centers are suitable for vertical wall mounting and are to be wired per directions in wiring compartment. For proper operation, owner must not obstruct ventilation openings of Converter compartment.

DO NOT DESTROY THIS GUIDE — For future reference, record:

Date of RV Purchase _____ Series No. _____

Model No. _____ Option Code _____



MagneTek

The AC circuit breaker(s) located in the front panel of the Electrical Center provides AC branch circuit distribution and protection within the RV. It controls the 120 VAC to the Power Converter section, and the 120 VAC circuits in the RV. The capacity of the circuit breaker(s) in the Electrical Center is indicated on the breaker and by the letter prefix in the date code that is stamped on the top of the unit. Note: Date code is not visible when the unit is installed.

- G 1—15A Breaker O 1—15A/20A Breaker
- H 1—15A/15A Breaker M Button Style Breaker

The circuit(s) may be turned off by pulling out the breaker button to expose a green band. The circuit(s) may be turned on or reset by depressing the breaker button.

1 12 Volts DC from Power Converter

When 120 VAC is connected to the Electrical Center via commercial power or AC generator, and the circuit breaker controlling the POWER CONVERTER Section is "ON," put MANUAL SWITCH in the front panel of the Electrical Center in "CONV" position. The POWER CONVERTER Section will then automatically convert the 120 VAC to 12 VDC to operate the 12 volt lights and motors in RV.

Equipment limited to operation from pure 12 volt battery power including 12 volt TVs, radios, stereos, unfiltered fluorescent lights — must be connected directly into RV storage battery line, or equipped with filter — as Converters do not produce the "pure" 12 volt DC needed by these items.

AUTOMATIC — RESET THERMAL BREAKER

If the POWER CONVERTER is operated beyond its maximum continuous load limit or if the ventilation louvers are obstructed, a protective thermal breaker will interrupt the 120 VAC to the CONVERTER. When this interruption occurs, the 12 volt lights and motors will not function. After a few minutes, the breaker will reset itself and lights and motors will resume operation from CONVERTER — only to shortly again "break."

When this "breaking" occurs, a portion of RV 12 volt load — lights or motors or both — should be turned off to reduce total load. Also, inspect the rear of the Electrical Center to make certain ventilation louvers are not obstructed.

12 VDC CIRCUIT PROTECTION

A fuseholder with a replaceable 12 Volt type AGC fuse is installed in the front panel of the Electrical Center for the protection of the RV 12 volt light and motor circuit (6406 and 6409 have a 15 amp fuse, 6415 has 2, 15-amp fuses).

If the circuit is loaded above the capacity of the fuse, the fuse will "blow." When this "blowing" of the fuse occurs, a portion of the 12 volt load on the line — lights or motors or both — should be turned off to reduce total load on the line below the capacity of the fuse. Replace the fuse with a fuse of the same size.

DO NOT put in larger fuse than indicated.

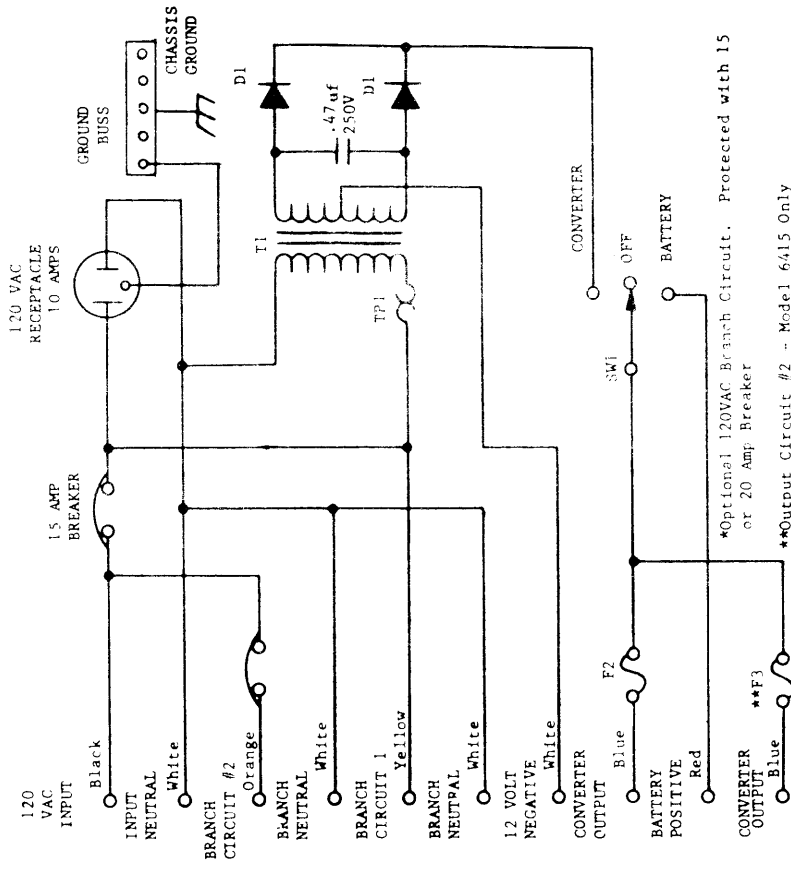
If this reduction of load on the line does not stop "blowing" of the replaceable fuse, it is an indication there may be a "short" along the 12 volt line or at a nonfused 12 volt DC motor on the line. Check the RV 12 volt line and equipment on the line. Locate the "short" and take necessary steps to repair it.

2 12 Volts DC from Storage Battery

When 120 VAC is NOT connected to the Electrical Center via commercial power or AC generator, put MANUAL SWITCH in "BATT" position. This will automatically switch 12 volt lights and motors to RV battery for power. When 120 VAC is again available, connect it to RV and put manual switch back in "CONV" position for Power Converter section to supply 12 VDC power for RV. The switch has a CENTER OFF position. In CENTER OFF position there will be NO 12 VDC output from CONVERTER.

NOTE: These converters are not suitable for battery charging. Ne convient pas a la recharge des batteries.

3 6400A Series Schematic



*Optional 120VAC Branch Circuit. Protected with 15 or 20 Amp Breaker
 **Output Circuit #2 - Model 6415 Only