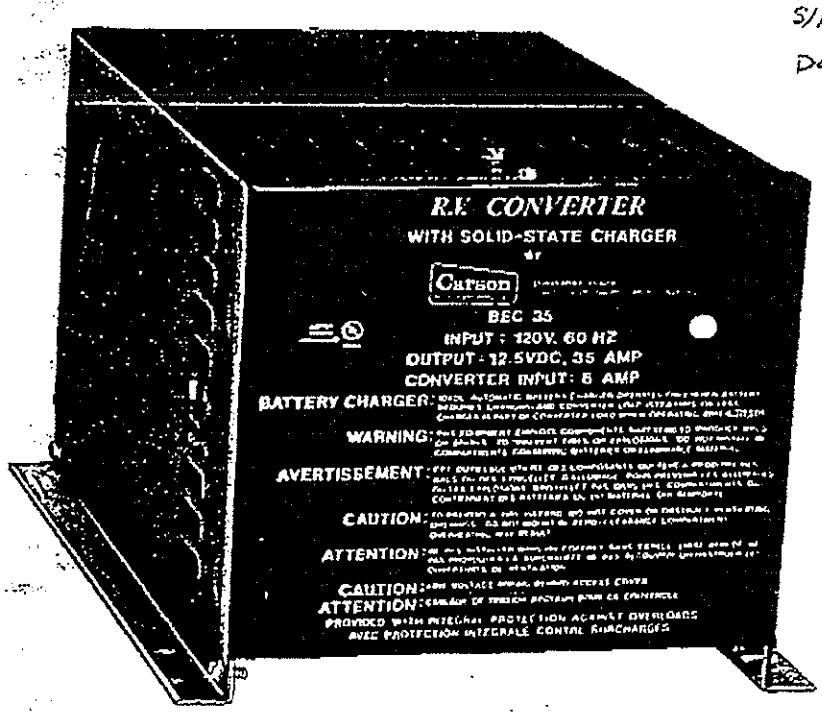
OWNER'S MANUAL
BEC SERIES
CONVERTER/BATTERY CHARGER

model no BEC 32CFW
S/N 22108
Date mfg. approx 1984



120VAC/12.5VDC CONVERTER

The Carson Manufacturing Company, Inc. series of converters is designed placing emphasis on space, economy and minimum clearance without sacrificing dependability or quality.

FEATURES

- Deck mounting to allow flexibility in location.
- Automatic switching from battery to converter output when 120 VAC is applied.
- A 10 Amp solid-state battery charger with positive control to maintain a fully charged battery *without overcharge*. (U.S. Patent 4075504).
- Minimum enclosure requirements for operation at full rated load.
- Thermal protection.
- Three practical output ratings: 32ADC, 40ADC, 50ADC.
- All BEC Models have been tested to UL 458 specifications.

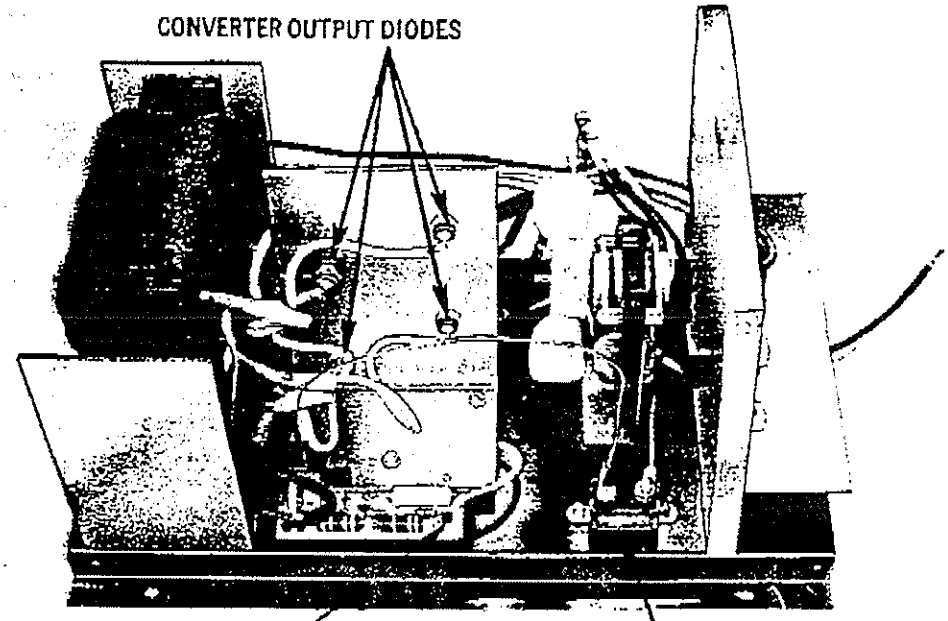
01/28/00

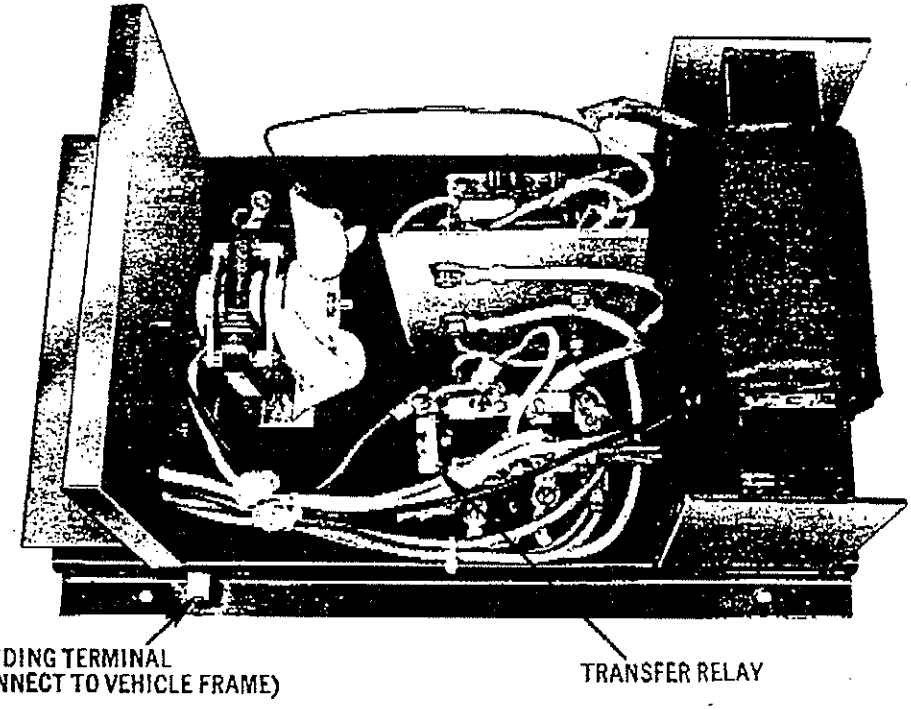
VR wholesale 1-800-848-0934 (Lori)
12514 16 mile Rd
marshall, MI 49068
~~INDIANAPOLIS, IN 46220~~

Carson
MANUFACTURING COMPANY, INC.

Mark for: RT 11560

COMPONENT LOCATIONS





OPERATION AND CARE

1. The Converter/Battery Charger should be installed as described in recommended "Enclosure Requirements" to ensure proper cooling.

MODEL	MINIMUM ENCLOSURE REQUIREMENTS			
	WIDTH	HEIGHT	DEPTH	VOLUME
BEC 32	36"		14"	5.25
BEC 40	OR	18"	OR	CUBIC
BEC 50	14"		36"	FEET

CAUTION

CONVERTER MUST NOT BE INSTALLED IN COMPARTMENTS OR LOCATIONS CONTAINING BATTERIES OR FLAMMABLE MATERIAL (PARTICULARLY LIQUIDS SUCH AS GASOLINE OR KEROSENE).

2. WHEN PERFORMING ELECTRICAL MAINTENANCE, REMOVE THE AC INPUT POWER FROM THE VEHICLE TO PREVENT POSSIBLE ELECTRICAL SHOCK OR DAMAGE TO THE CONVERTER/BATTERY CHARGER.

3. Do not allow the Converter/Battery Charger to become wet.

4. DC powered radio and stereo equipment should be wired to the filtered circuit terminal on the fuse block.

5. Insure that the 120 Vac input is properly grounded to the Converter/Battery Charger chassis lug provided.

6. Insure that the battery + and — terminals are properly connected to the system (the red is + and the white is —).

7. Do not short circuit the converter output leads.

8. NEVER replace a fuse with one rated higher than that supplied with the unit. If fuses blow repeatedly when the total load is less than the branch rating, one of the following conditions has probably occurred:

   (1) a defect has developed in the load (appliance, lights, etc.)

   (2) a wiring short has developed

9. Battery Charger—The charger circuit charges the battery only when the battery requires charging and the following conditions exist: (a) 120 Vac is applied to the Converter/ Battery Charger and (b) the converter DC load is equal to or less than:
   16.0 amps - BEC 32
   20.0 amps - BEC 40
   25.0 amps - BEC 50

SECTION 4. TROUBLESHOOTING

Note: *Since correct gas pressure is essential for proper operation, always check the gas pressure first for any gas problem. Maximum inlet gas pressure is 14" water column. Minimum inlet pressure is 11" water column. Manifold gas pressure should be 10" water column.*

CONDITION	POSSIBLE CAUSE	CORRECTION
Top Burner Pilot will not light or stay lit	1. Pilot flame too high or too low	• Adjust pilot and relight.
	2. Pilot cup assembly not level	• Turn pilot filter clockwise or counterclockwise until cup assembly is level.
	3. Inoperative gas pressure regulator	• Check regulator operation.
Top burners will not light	1. Poor positioning of top burners and flash tubing	• Check and reposition top burners and flash tubing.
	2. Pilot flame	• Check pilot flame.
	3. Clogged burner ports	• Clean clogged burner ports with a straight pin.
	4. Loose ignitor port	• Tighten ignitor port by pressing in or replace.
Oven burner will not light	1. Standby pilot	• Check to make sure that the constant pilot is lit.
	2. Pilot assembly may be out of position	• Check and reposition pilot assembly.
Standby pilot will not light or stay lit	1. Pilot selector closed	• Open pilot selector.