



POWER CHILL™ ICELESS 12-VOLT COOLER

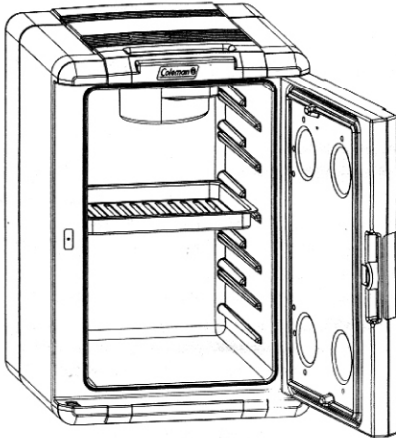
INSTRUCTIONS FOR USE
MODEL NO. 5640B, 5641, 5642

Read all instructions and warnings prior to using this Coleman® product.

GLACIÈRE SANS GLACE 12 VOLTS POWER CHILL™

MODE D'EMPLOI
MODELE 5640B, 5641, 5642

Lisez directives et avertissements avant d'utiliser ce produit Coleman®



5640B



1 800 835 3278 U.S.A.
1 800 387 6161 CDN

TROUBLESHOOTING

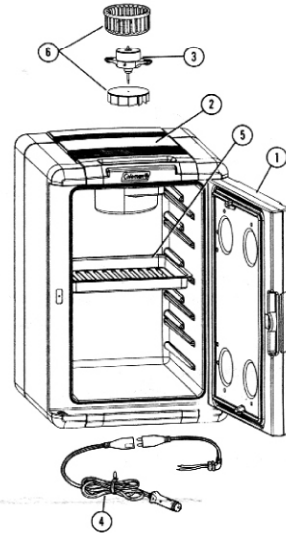
PLEASE NOTE: Attempt each of these potential solutions in sequence until the problem is corrected. If, for example, better power cord connectivity starts the fan rotating, there is no need to replace the fuse. Before troubleshooting your cooler, defrost cooler by following the steps in the "Cleaning and Maintenance" section, item #4.

IF FAN DOES NOT ROTATE:

1. Make sure the power cord is inserted fully in the vehicle's socket or in the socket of the optional Coleman Power Supply;
2. If using optional power supply, check to see if cooler works in a vehicle. If cooler operation is normal in a vehicle, then replace power supply. (Power supply output should be 12 VDC.)
3. Make sure the power cord link is tightly connected;
4. Replace the vehicle's cigarette lighter fuse;
5. Replace the fan motor.

IF FAN ROTATES WITH NO COOLING OR HEATING:

6. If using optional power supply, check to see if cooler works in a vehicle. If cooler operation is normal in a vehicle, then replace power supply. (Power supply output should be 12 VDC.)
7. Replace Thermoelectric module using module repair kit 5640-5211.



REPLACEMENT PARTS

1. Lid with latch and gasket. Item No. 5640-5501.
2. Module repair kit. Item No. 5640-5211.
3. Fan motor. Item No. 5640A665R.
4. 8-foot power cord. Item No. 5640-3661.
5. Tray. Item No. 5640-2501.
6. Two-piece fan set. Item No. 5640-3721.

If your retailer does not have these items you may purchase them by calling – in U.S.A. **1-800-835-3278 TDD: 316-832-8707** or, in Canada **1 800 387-6161**.

Or you may write to:

The Coleman Co., Inc., P.O. Box 2931
Wichita, KS 67201-2931
Attention: Consumer Service

The Canadian Coleman Co., Ltd.
15 North Queen Street
Toronto, Ontario M8Z 2C6

SPECIFICATIONS¹

CAPACITY:

Fifty-eight (12) oz. beverage cans or six (2 liter) beverage bottles. 40 U.S. Quarts, 1.34 cu-ft, 37.85 liters inside volume.

DIMENSIONS & WEIGHTS

Average inside dimensions: 15-3/4 x 10 x 12-1/2 tall
Outside dimensions: 21-3/4 x 15 x 17-1/8 tall
Shipping dimensions: 23-3/4 x 17-1/4 x 18-5/8 tall
Empty Weight: 17 lbs.
Shipping Weight: 19 lbs.

POWER REQUIREMENTS

9.5 to 14.4 Volts DC, 4 Amperes @ 12 Volts DC Nominal.

COOLING PERFORMANCE

Cools from 38°F to 42°F below the average surrounding temperature. Empty cooler reaches minimum temperature in 3 hours.

HEATING PERFORMANCE

Heats from 110°F to 140°F at average surrounding temperature of 25°F or above. At surrounding temperatures below 25°F the cooler temperature will be about 100°F warmer than the surrounding temperature. Empty cooler reaches maximum temperature in 2 hours.

ELECTRICAL EQUIPMENT

8 foot 18 AWG copper power cord with red LED power indication. Reversing power cord link for selecting cooling or heating modes.

Brushless sleeve bearing fan motor.

High temperature cut-out switch.

Thermoelectric Cooling and Heating Module (Peltier Element).

¹Specifications subject to change without notice.

FOLLOW INSTRUCTIONS AND WARNINGS TO AVOID INJURY OR PROPERTY DAMAGE.

▲WARNING

1. To help prevent food poisoning, keep cooked foods at 140°F or hotter. If the food temperature drops below 140°F for 2 hours, reheat thoroughly before serving.
2. Do not heat sealed containers. These containers may burst from internal pressure which increases during heating, thereby causing personal injury or damage to the cooler.
3. Always shelter your cooler and optional power supply from rain and snow. Water splashed on the power supply, fan motor, or other electrical parts may result in fire, causing personal injury or component failure.
4. This cooler operates only on power sources ranging from 9.5 to 14.4 Volts DC. These are voltages typically found in the batteries of cars and trucks. Connecting the cooler, without adaptation, directly to a 120 Volt AC wall socket will destroy the fan motor and the Thermoelectric Module. A 120-Volt AC wall adapter is sold separately.
5. Do not use ice in this cooler. Water from the melting ice may damage the fan motor or create frost-buildup on the inside aluminum fins.

OPERATING INSTRUCTIONS

This cooler may be operated in either a horizontal or vertical position. When used in the vertical position, make sure that the cooling vent is always positioned at the top and that it is never covered.

The cooler's lid may be removed and then, for additional convenience, reinstalled to open in the opposite direction. To change the direction of the lid's opening:

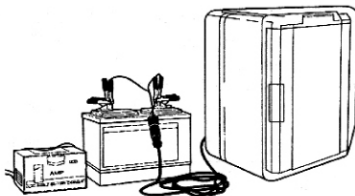
1. Place the cooler with its back surface on the floor
2. Open the lid until it contacts the two built-in stops for the lid
3. Now, open the lid still further until it pops out of the cooler's case
4. Switch latch plate and cover plate on liner so that latch plate will match reversed lid opening.
5. Rotate the lid, and replace the lid on the cooler case
6. Push down on the lid near its hinge pins until they are positively engaged in the hinge sockets of the case

NOTE: This cooler generates heat. Consequently, it needs free circulation of air to perform properly. Its fan must be able to breathe. Do not place anything on top of the cooling vent. Never operate the cooler in hot, enclosed environments – automobile trunks, for example. While using the cooler in parked vehicles, open the windows slightly.

Continuous operation is possible when the cooler is connected to the following power sources:

1. The CIGARETTE-LIGHTER RECEPTACLE of a vehicle with its engine running.
2. A 12-Volt (6 to 10 AMPERE AUTOMATIC) or a 12-Volt (6 AMPERE NONAUTOMATIC) battery charger connected to a 12-Volt battery, see figure 1.
3. A Coleman POWER SUPPLY Model No. 5232E640T connected to a 120-Volt 60Hz wall socket (See accessories section.)

FIGURE 1



PLEASE NOTE: When a vehicle's battery is not being charged (usually when the vehicle's engine is not running), this cooler should not be operated more than about 4 hours. Longer operation will almost always shorten the battery's life in the long term and diminish its starting power in the short term. (See the following section on RV/Marine batteries for battery usage over extended periods of time.)

(PLEASE NOTE: Battery chargers have an AC output that will damage the fan motor and reduce cooling performance. The 12-volt battery in the circuit removes this harmful AC output.)

KEEPING FOODS AND BEVERAGES COLD

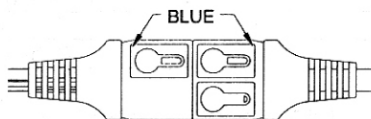


FIGURE 2

1. Connect the POWER CORD LINK with the BLUE thermometer symbols aligned, as shown in figure 2.
2. Connect the cooler to one of the power sources previously mentioned.
3. This cooler will not chill foods and beverages as fast as your home refrigerator. Please don't expect it to do so. An empty cooler will cool down in about 3 hours. Warm items placed in the cooler will slow the cooling rate.

TIPS

Use these simple techniques to accelerate your cooler's rate of cooling and to prolong its chilling power.

1. For faster cooling, prechill items of food and drink in your home refrigerator before placing them in the cooler. Whenever possible, purchase beverages that have already been chilled. Use frozen Coleman® Brite Ice™ ice substitutes to chill the cooler's contents even quicker.
2. Do not use ice in this cooler. Water from the melting ice may damage the fan motor or create frost-buildup on the inside aluminum fins.
3. On average, the inside of your cooler will be about 42°F cooler than the surrounding temperature. For example, if the surrounding temperature is 80°F., the cooler will be about 38°F.
4. If the surrounding temperature is less than 74°F, don't prechill food or beverages. At cooler operating temperatures (below 74°F), keep the cooler full to avoid unwanted freezing of items.

KEEPING FOODS AND BEVERAGES HOT

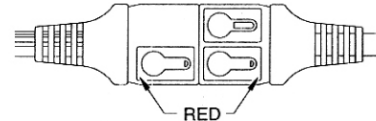


FIGURE 3

This cooler may also be used as a food warmer by reversing the power cord link.

1. Connect the power cord link with the RED thermometer symbols aligned. See figure 3.
2. Connect the cooler to one of the power sources previously mentioned.
3. The cooler is now operating in the heating mode. Maximum inside temperature is reached within about 2 hours.

TIPS

Use these simple techniques to maximize your cooler's heating power and to ensure its efficient use.

1. Thoroughly cook all hot foods – especially meat, poultry, and fish – before placing them in the cooler. **Wrap hot food containers in several layers of newspaper to hold the temperature higher and to prevent burns to yourself and damage to the cooler's interior.**
2. The cooler's internal temperature will seldom exceed 125°F when the surrounding temperature is 25°F or above. At surrounding temperatures below 25°F the cooler temperature will be about 100°F warmer than the surrounding temperature.
3. **WARNING:** To help prevent food poisoning, keep cooked foods at 140°F or hotter. Again, wrapping foods in layers of newspaper helps to hold heat. If the food temperature drops below 140°F for 2 hours, reheat thoroughly before serving.
4. Also, **do not heat sealed containers.** These containers may burst from internal pressure which increases during heating, thereby causing personal injury or damage to the cooler.

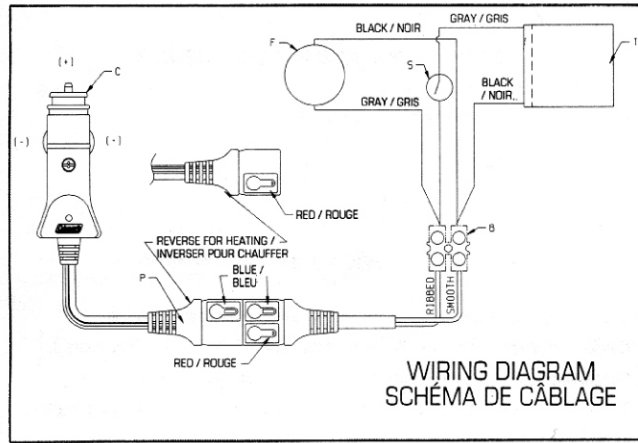
CLEANING AND MAINTENANCE

Unplug cooler before cleaning or servicing your cooler.

1. All surfaces may be cleaned with a small amount of dishwashing solution applied with a damp sponge. Do not oversaturate the sponge. Towel dry all water from inside cooler.
2. Tough stains may be removed with an all-purpose liquid cleaner sprayed on the stain and then scrubbed with a plastic scrubber or brush. All liquid cleaners should be removed with a damp sponge.
3. To prevent odors from accumulating in the cooler, leave the lid open for several hours after each use.
4. Defrost your cooler if you notice diminished cooling capability, feel ice buildup on internal fins or notice less air flow through the internal fins. Your cooler may be easily defrosted by following these steps:
 1. remove all items from the cooler
 2. put the cooler in the heating mode
 3. place the cooler in its horizontal position
 4. after about 15 minutes, switch the cooler to the cooling mode
 5. sponge or towel all water from inside the cooler
 6. return items to the cooler.
5. At least once a year remove the front panel and brush any lint and dirt from the fan blades and outside heat sink with a soft bristled brush. Lint on these parts will reduce the cooling and warming ability of the cooler.

If more thorough cleaning is desired, first remove 1) the fan motor, 2) the terminal block and 3) the power cord. These three items must be kept dry.

All other parts of the cooler may be cleaned with a sponge or brush and dishwashing solution.



LAST UPDATE 27 AUG 06 FOR FORM NO. 5640A0501

- | | |
|---|---|
| B = TERMINAL BLOCK | B = PLAQUE À BORNES |
| C = CIGARETTE LIGHTER PLUG | C = FICHE DE L'ALLUME-CIGARE |
| F = FAN MOTOR | F = MOTEUR DU VENTILATEUR |
| P = COOL-HEAT LINK
(SHOWN CONNECTED IN COOLING MODE) | P = LIAISON REFRIGERISSEMENT-CHAUFFAGE
(BRANCHEMENT ILL. = REFRIGERISSEMENT) |
| S = HIGH TEMPERATURE CUT-OUT SWITCH | S = COUPE-CIRCUIT DE HAUTE TEMPERATURE |
| T = THERMOELECTRIC MODULE | T = MODULE THERMOELECTRIQUE |

USING DEEP CYCLE RV/MARINE BATTERIES

Auxiliary 12V deep cycle RV/Marine batteries when used only for operating this cooler, will operate this cooler for several hours before charging is necessary. The following table may be used as a guide to determine maximum hours of operation between charging.

Battery Rating		Maximum Operating Time in Hours
R.C. ²	M.C.A. ³	
140	700	18
180	800	24
210	900	27
390	1625	48

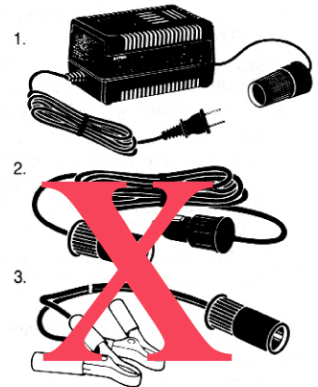
Puissance de la batterie		Durée maximale de fonctionnement
CR ²	AAD ³	
140	700	18 heures
180	800	24 heures
210	900	27 heures
390	1625	48 heures

²RESERVE CAPACITY is the number of minutes the battery will sustain a 25 ampere output at 80°F (27°C) before dropping below 10.5 volts.

³MARINE CRANKING AMPERES is the number of amperes the battery will sustain for 30 seconds at 32°F (0°C) before dropping below 7.2 volts.

ACCESSORIES (NOT INCLUDED)

- 120 Volt AC/12 Volt DC Power Supply**, allows operation of your cooler in your home or in any other weather-protected area where household voltage is available.
Item No. 5232E640T.
- 15-foot Extension Cord** (used with your 8-foot power cord), allows operation of your cooler up to 23 feet away from your vehicle's cigarette-lighter receptacle.
Item No. 2239A750T.
- Battery Clips**, allow operation of your cooler from any 12 Volt battery where a cigarette-lighter receptacle is not available.
Item No. 2239A7701.



The 15-foot Extension Cord and Battery Clips are not available.