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› Dometic MOBICOOL 12V Replacement Cable for Thermoelectric Coolers - Instruction Manual

Dometic TK-280SB

Dometic MOBICOOL 12V Replacement Cable for Thermoelectric Coolers - Instruction Manual

Model: TK-280SB

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your Dometic MOBICOOL 12V Replacement Cable, model TK-280SB. This cable is designed specifically for thermoelectric coolers and is not compatible with compressor coolboxes or refrigerators. Please read this manual thoroughly before use.

2. PRODUCT OVERVIEW

The Dometic MOBICOOL 12V Replacement Cable is a high-quality power cable designed to replace lost or damaged 12-volt cables for compatible thermoelectric coolers. It features a 12-volt plug for connection to a vehicle's cigarette lighter socket and a 2-pin connector for the cooler.



Figure 1: The Dometic MOBICOOL 12V Replacement Cable, showing both the 2-pin cooler connector and the 12V cigarette lighter plug.

Key Features:

- **Length:** 280 cm (approximately 9.18 feet) for flexible placement.
- **Connection:** Ready to connect to a standard 12-volt cigarette lighter socket.
- **Compatibility:** Specifically designed for thermoelectric coolers.
- **Safety:** Features a built-in fuse for device protection.
- **Design:** High-quality construction for durability.

3. COMPATIBILITY

This replacement cable is compatible with various Dometic, Mobicool, and Waeco thermoelectric cooler models. **It is crucial to verify your cooler type before purchase and use.**

Compatible Models:

- **Dometic:** DW 6, MF 50M, MF 5M, TB 08, TB 15, TC 07, TC 14, TC 21FL, TC 35
- **Mobicool:** F15 blau, F15 rot, F16 blau, F16 rot, F38, MB25, MB32, T08
- **Waeco:** Beutel Isotherme S32 Marine, MF 05, MF 15, MF 1F, TF 14

Important Note: This cable is **only suitable for thermoelectric coolers**. It is **not compatible with compressor coolboxes/refrigerators**. For other coolers or third-party products, fitment may vary.



Figure 2: Detail of the 2-pin connector, which connects to the thermoelectric cooler.

4. SETUP AND CONNECTION

Follow these steps to properly connect your Dometic MOBICOOL 12V Replacement Cable to your thermoelectric cooler and vehicle.

1. **Identify the Cooler Port:** Locate the 12V DC input port on your thermoelectric cooler. This port typically accommodates a 2-pin connector.
2. **Connect to Cooler:** Insert the 2-pin end of the replacement cable firmly into the 12V DC input port of your cooler. Ensure a secure connection.

3. **Identify Vehicle Power Outlet:** Locate the 12V cigarette lighter socket in your vehicle. This is commonly found in the dashboard, center console, or rear cargo area.
4. **Connect to Vehicle:** Insert the cigarette lighter plug end of the cable into your vehicle's 12V socket. The plug may have an LED indicator to confirm power is being supplied.
5. **Verify Power:** Once connected, check your cooler's power indicator or display to ensure it is receiving power and operating correctly.

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Video 1: Demonstration of connecting a 12V cooler plug power cable to a car cooler and vehicle cigarette lighter socket. This illustrates the general connection process for similar cables.

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Video 2: Overview of a 12V car refrigerator DC power cord cable, highlighting features like material, length, and built-in fuse. This video provides general information about the cable's construction and safety features.

5. OPERATION

Once the cable is securely connected, your thermoelectric cooler should begin to operate according to its design. Ensure your vehicle's engine is running or the ignition is in an accessory position to provide continuous power to the cooler, preventing battery drain.

Tips for Optimal Use:

- **Cable Management:** Utilize the cable's length to position your cooler conveniently without stretching or kinking the cable.
- **Secure Placement:** Ensure the cooler is placed on a stable surface in the vehicle to prevent movement during travel.
- **Ventilation:** Do not obstruct the cooler's ventilation openings to ensure efficient operation.

6. MAINTENANCE

Proper maintenance will extend the life of your replacement cable.

- **Cleaning:** Wipe the cable and connectors with a dry, soft cloth. Do not use abrasive cleaners or immerse in water.
- **Storage:** When not in use, coil the cable neatly and store it in a dry place away from direct sunlight and extreme temperatures. Avoid sharp bends or kinks.
- **Inspection:** Periodically inspect the cable for any signs of wear, cuts, or damage to the insulation or connectors. Discontinue use if damage is found.

7. TROUBLESHOOTING

If your cooler is not receiving power, consider the following:

- **Check Connections:** Ensure both the 2-pin connector to the cooler and the 12V plug to the vehicle socket are firmly seated.
- **Vehicle Power:** Verify that the vehicle's 12V socket is active. Some vehicle sockets only provide power when the ignition is on.
- **Cable Damage:** Inspect the cable for any visible damage. A damaged cable should be replaced immediately.
- **Blown Fuse:** The 12V plug contains a built-in fuse. If the cooler is not receiving power, the fuse may be blown.
 - To replace the fuse: Carefully unscrew the tip of the cigarette lighter plug. Replace the old fuse with a new one of the same rating (e.g., 15A). Screw the tip back on securely.

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Video 3: Animation demonstrating the fuse replacement process within a 12V car plug. This shows how to access and change the fuse for troubleshooting power issues.

8. SPECIFICATIONS

Attribute	Detail
Brand	Dometic
Model Number	TK-280SB (9600006608)
Item Weight	4.6 ounces
Product Dimensions	110.24 x 0.39 x 0.39 inches (280 cm length)
Input Voltage	12V DC
Connector Type	2-pin cooler connector, 12V cigarette lighter plug
Manufacturer	Dometic Waeco International GmbH

9. SAFETY INFORMATION

Always observe the following safety precautions:

- **Correct Application:** Use this cable exclusively with **thermoelectric coolers**. Do not attempt to use it with compressor-based refrigerators or other devices not specified as compatible.
- **Voltage Matching:** Ensure your cooler operates on 12V DC to match the cable's output.
- **Avoid Overload:** Do not connect the cable to power sources exceeding 12V DC.
- **Handle with Care:** Avoid pulling the cable by the cord itself; always grasp the plug when connecting or disconnecting.
- **Environmental Conditions:** Keep the cable away from water, excessive heat, and sharp objects.
- **Fuse Protection:** The built-in fuse protects against power surges. If the fuse blows, replace it with a fuse of the identical rating.

10. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Dometic MOBICOOL 12V Replacement Cable, please refer to the official Dometic website or contact their customer service directly. Protection plans may be available for extended coverage, as detailed by your retailer.

Visit the [Dometic Store](#) for more products and information.

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Question

Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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