



POWER AND CONTROLS CONTROL

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Dometic Interact Climate Control TM-2021 Module Replacement Service Kit Instructions

USA & CANADA

Service Office
Dometic Corporation
1120 North Main Street
Elkhart, IN 46514

Service Center & Dealer Locations

Visit: www.dometic.com

Kit Contents	Description
3317221.000	Climate Control TM-2021 Module v1.30
3317584.000	Service Kit Instructions

Recommended Tools (Not included)

Screwdriver	Removable Labeling Tape
Pen or Marker	

1 Explanation of Symbols and Safety Instructions

This manual has safety information and instructions to help you eliminate or reduce the risk of accidents and injuries.

1.1 Recognize Safety Information



This is the safety alert symbol. It is used to alert you to potential physical injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

1.2 Understand Signal Words

A signal word will identify safety messages and property damage messages, and it will indicate the degree or level of hazard seriousness.

NOTICE: Used to address practices **not** related to physical injury.

2 Preparation

This section describes the preparation procedure for replacing the current climate control TM-2021 module ("module").



The images used in this document are for reference purposes only.

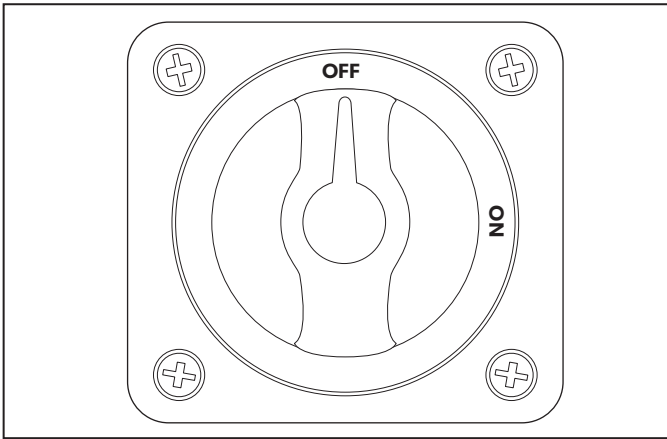
Before beginning with installation or removal, confirm the contents of the service kit are present.

2.1 Preparing to Replace the Climate Control Module



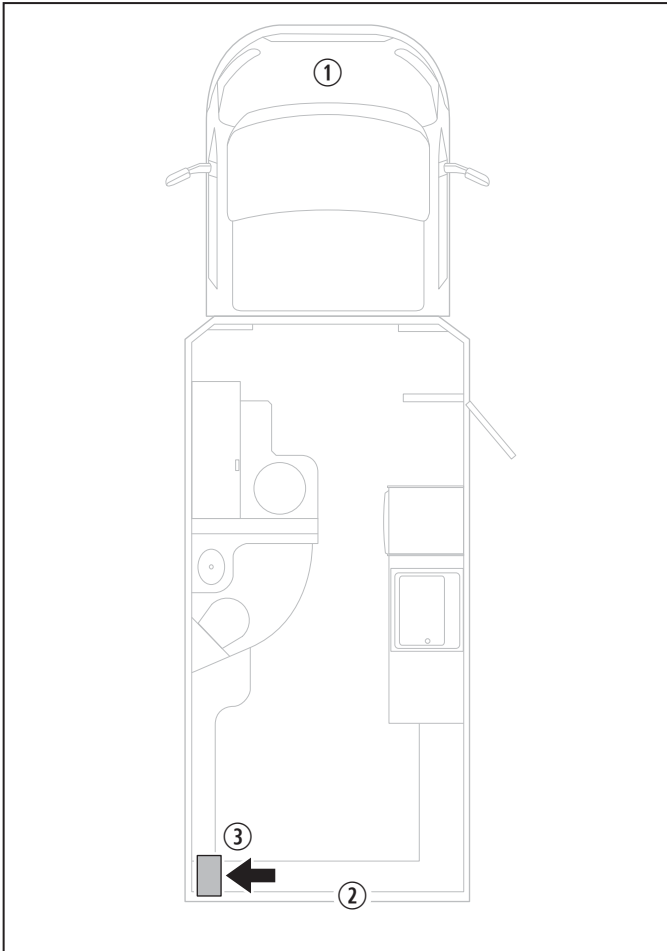
Refer to the installation manual for specific details on using the Dometic Interact climate control system.

1. Ensure the vehicle engine is OFF.
2. Disconnect the RV from the shore power, if connected.



1 Battery Disconnect Switch set to OFF

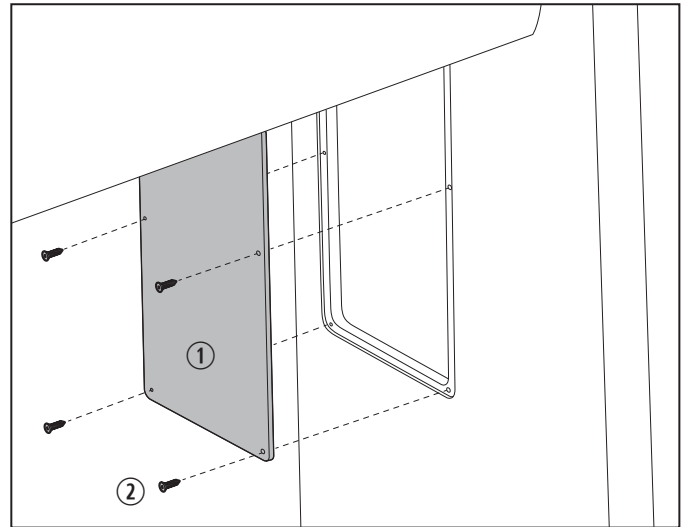
3. Turn the battery disconnect switch to OFF. The switch is located near the entry step footwell.



2 Locating the Module in the Vehicle

- ① Front of the Vehicle ③ Module
② Rear of the Vehicle

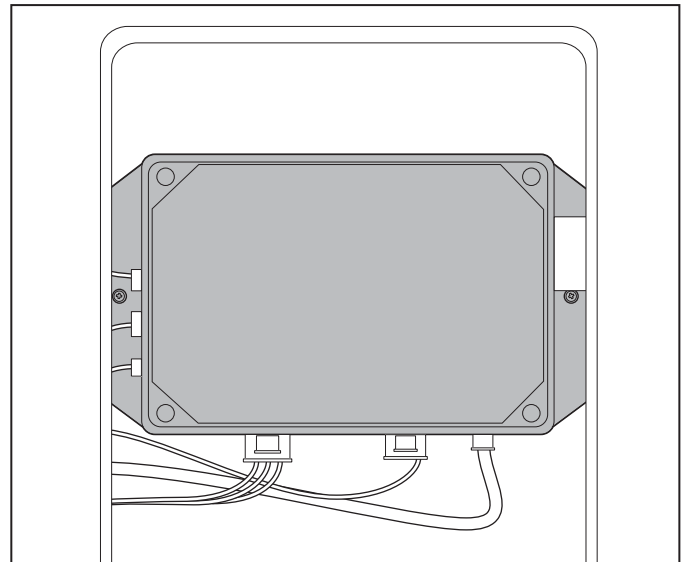
4. Locate the module at the rear, driver side interior of the vehicle.



3 Locating and removing the Wall Panel

- ① Panel ② Panel Screw

5. Lower the rear bed, and locate the small rectangular panel that covers the wall opening for the module.
6. Remove the four panel screws, and set aside the panel and screws for reinstallation later.



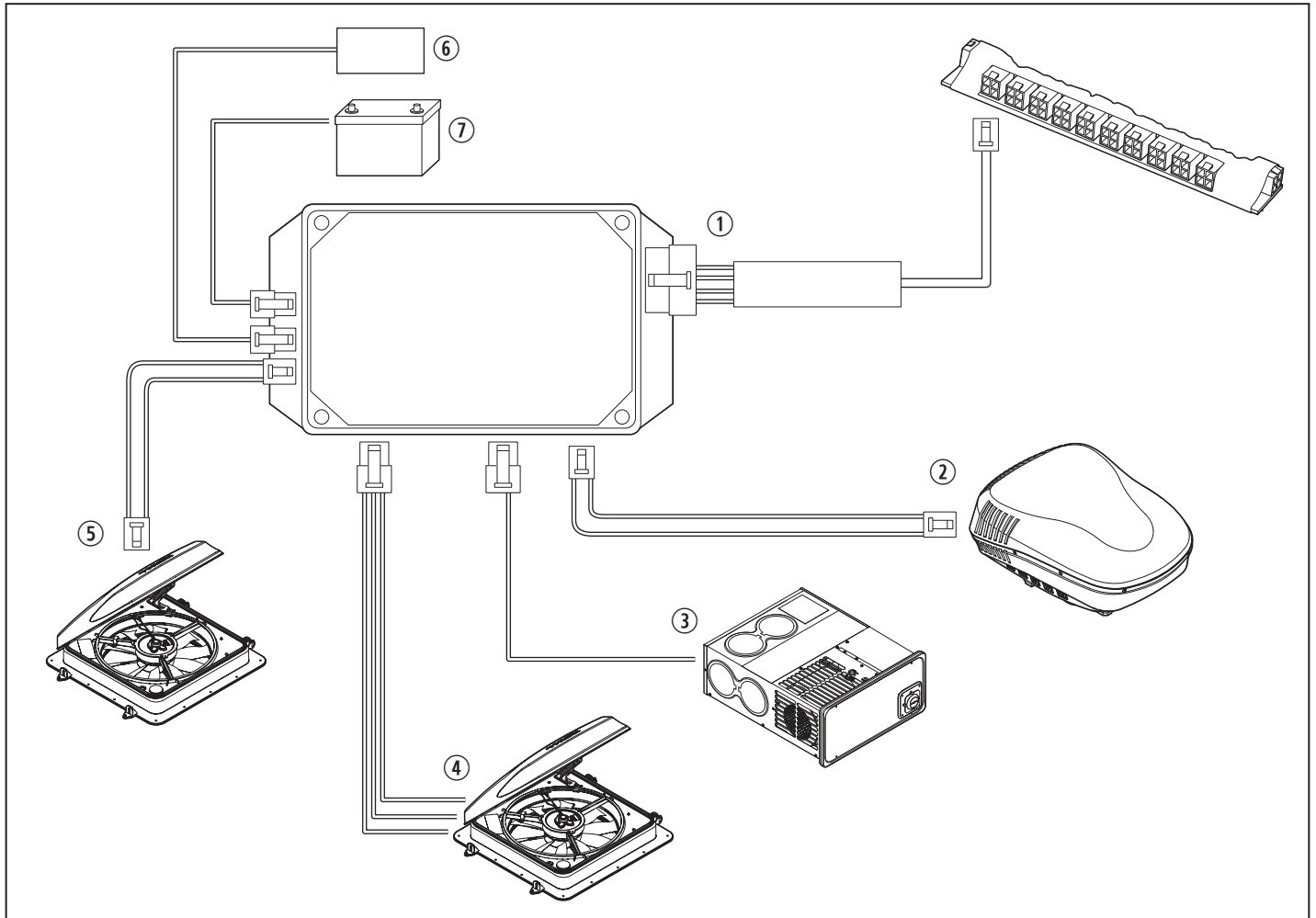
4 Locating the Module within the Wall Opening

7. Locate the module and cables within the wall opening.

3 Climate Control Module Removal

This section describes the proper technique to remove the existing module from the wall opening.

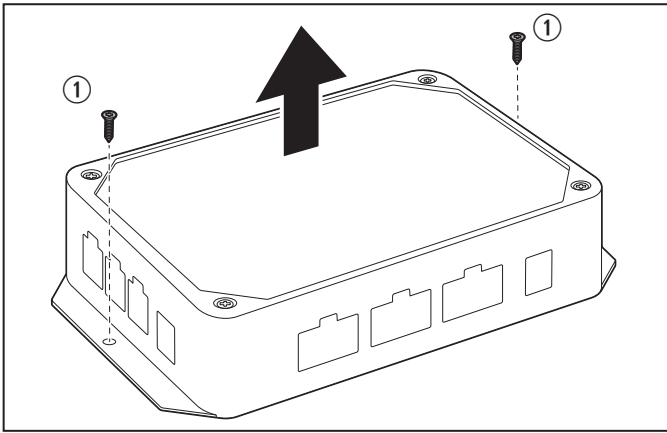
NOTICE: Do **not** proceed to disconnect the module until you label all of the cables. Failure to do so could result in cross-connections during installation that could damage the module.



5 Labeling and Disconnecting the Cables

- | | | | |
|--------------------|-------------------|------------------------|-----------------|
| ① J1 - 12-pin Main | ② J9 - Telephone | ③ J10 - Furnace | ④ J8 - Fan 4100 |
| ⑤ J6 - Fan 5300 | ⑥ J5 - Water Pump | ⑦ J4 - Chassis Battery | |

1. Label the seven cables clearly, using removable labeling tape and a pen or marker.
2. Starting with the main cable, disconnect the seven labeled connectors from the module.

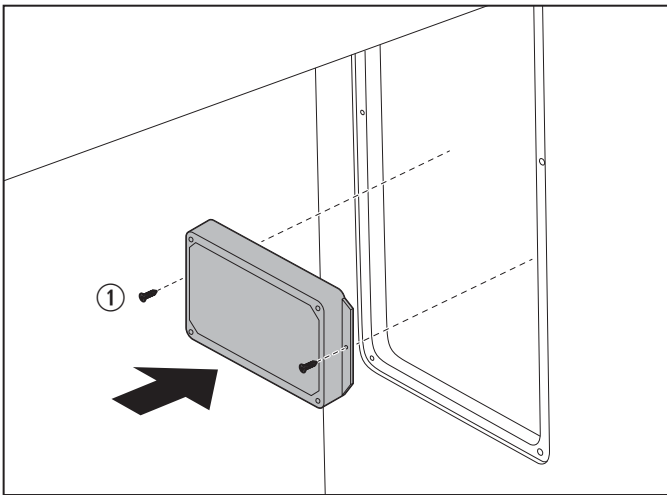
**6** Removing the Module

① Module Mounting Screws (2)

3. Remove the module from inside the wall by unscrewing the two module mounting screws.
4. Retain the two module mounting screws for reinstallation later.

4 Climate Control Module Installation

This section describes the proper technique to install the new climate control module TM-2021 ("new module").

**7** Installing the Module

① Module Mounting Screws (2) ② LED

1. Place the new module in the same position and location as the old module.
2. Use the original module mounting screws to mount the new module inside the wall opening.

3. Connect the main cable 12-pin connector to the new module first.
4. Connect the remaining six cable connectors to the correct slots on the module. See Figure 5.
5. Turn the battery disconnect switch to ON.
6. Check the module's LED. A blinking red LED indicates the module is correctly powered.
7. To test, access the Dometic Interact climate control screen. Increase the warm temperature setting, and then confirm the furnace runs and then stops when it reaches the new temperature set-point.
8. Use the four original panel screws to secure the rectangular panel to the wall.
9. Reconnect the RV to the shore power, if disconnected earlier.

5 Original Parts

Return the original module to the Dometic Warranty Department according to the instructions on the Limited Warranty provided with the product.