



RECORD THIS INFORMATION FOR FUTURE
REFERENCE:

Date Installed _____

Installed By _____

Product Serial Number _____

SERVICE INSTRUCTIONS

3105164.002 KIT, HEATER 120 VOLT

Heat Kit Application Chart	
Heat Kit	Air Conditioner Series
3105164.002	5791X
	45791X
	58XXX
	59516
	459516
	52XX1X
	54XX1X



Read these instructions carefully. These
instructions **MUST** stay with this product.

REVISION B

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INTRODUCTION

This kit is designed for and may only be installed on Dometic air conditioners listed on the front page (hereinafter referred to as “unit”, or “product”).

Installation can take place prior to or after the unit is installed. Use these instructions to ensure a properly installed, and properly functioning product.

Dometic Corporation reserves the right to modify appearances and specifications without notice.

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DOCUMENT SYMBOLS



Indicates additional information that is **NOT** related to physical injury.



Indicates step-by-step instructions.

IMPORTANT SAFETY INSTRUCTIONS

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

A. 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.

B. Understand Signal Words

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

⚠ WARNING indicates a hazardous situation that, if **NOT** avoided, could result in death or serious injury.

⚠ CAUTION indicates a hazardous situation that, if **NOT** avoided, could result in minor or moderate injury.

NOTICE is used to address practices **NOT** related to physical injury.

C. Supplemental Directives



Read and follow all safety information and instructions to avoid possible injury or death.

Read and understand these instructions before [installing / using / servicing / performing maintenance on] this product.

Incorrect [installation / operation / servicing / maintaining] of this product can lead to serious injury. Follow all instructions.



The installation **MUST** comply with all applicable local and national codes, including the latest edition of the following standards:

U.S.A.

- ANSI/NFPA70, National Electrical Code (NEC)
- ANSI/NFPA 1192, Recreational Vehicles Code

CANADA

- CSA C22.1, Parts I & II, Canadian Electrical Code
- CSA Z240 RV Series, Recreational Vehicles

D. General Safety Messages



⚠ WARNING Failure to obey the following warnings could result in death or serious injury:

- This product **MUST** be [installed / serviced] by a qualified service technician.
- Do **NOT** modify this product beyond the scope of these service instructions. Modification (beyond these service instructions) can be extremely hazardous.
- Do **NOT** add any devices or accessories to this product except those specifically authorized in writing by Dometic Corporation.



⚠ CAUTION CUT HAZARD. Wear protective gloves while handling or working near sheet metal components. Sheet metal parts could have sharp edges. Failure to obey this caution could result in injury.

GENERAL INFORMATION

A. Scope Of Delivery

- (1) Service Instructions
- (1) Electric Heater
- (1) 307879.004 Screw, S 10-16 x .50 HHW

B. Required Tools

- #2 Phillips Screwdriver / Bit
- 5/16" Hex Nut Driver / Bit

INSTALLATION INSTRUCTIONS

A. Models 58XXX, 521XXX, & 541XXX

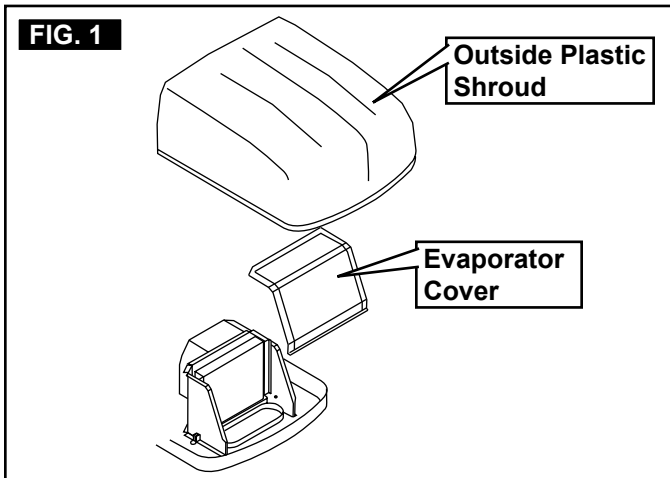
For models 5791X, 45791X, 59516, 459516, 520XXX, & 540XXX see "B. Models 5791X, 45791X, 59516, 459516, 520XXX, & 540XXX" on page (5).

i These models will have control board built into unit. Electric heater will be installed through top of unit. On initial unit installations this can be done prior to placing unit on the roof.

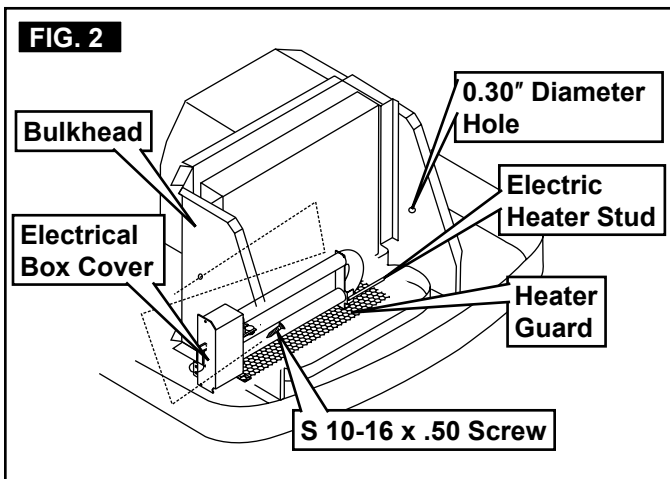
1. **⚠ WARNING** ELECTRICAL SHOCK HAZARD. Disconnect 120 Vac power from RV. Failure to obey this warning could result in death or serious injury.

NOTICE Disconnect the positive (+) 12 Vdc terminal from supply battery. Otherwise, damage to unit could occur.

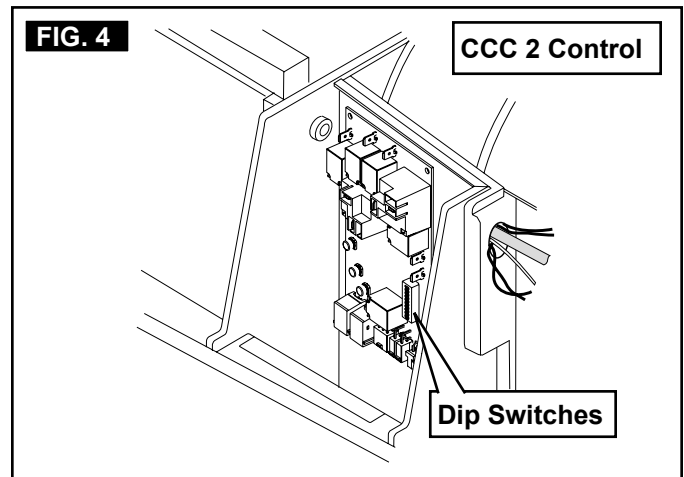
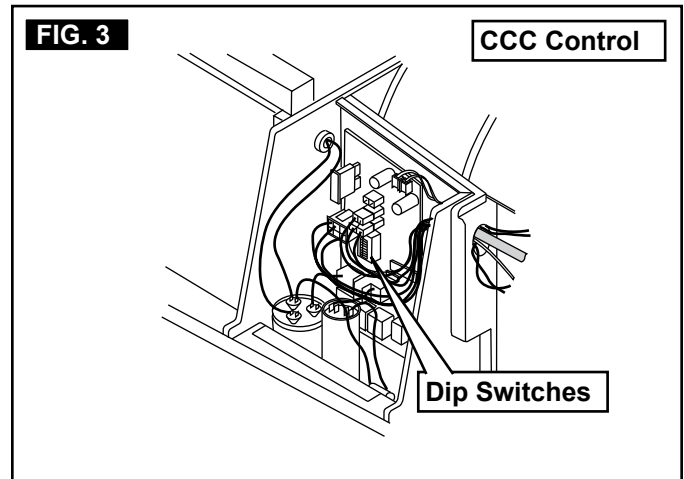
2. Remove outside plastic shroud. See (FIG. 1).



3. Remove evaporator cover. See (FIG. 1).
4. With the heater guard facing down, insert stud of the electric heater in the 0.30" diameter hole approximately one inch. See (FIG. 2).

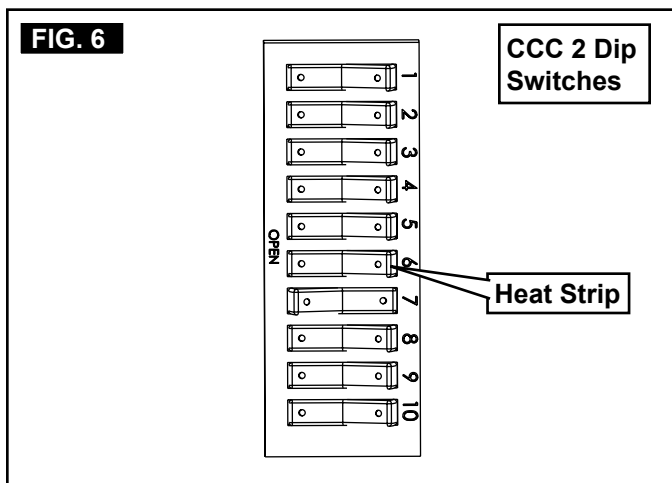
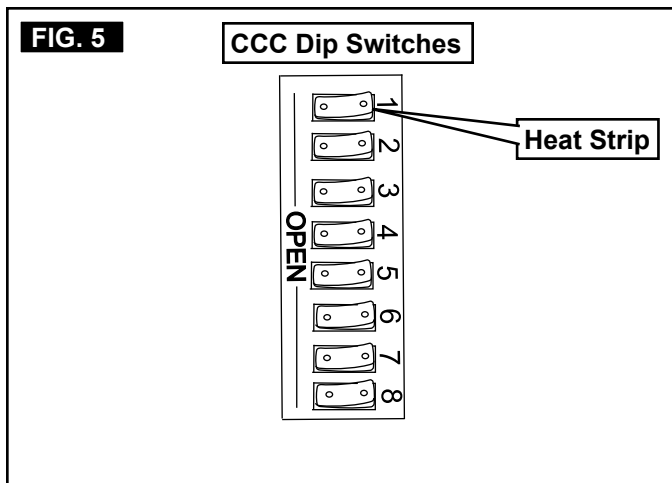


5. Raise the electrical box end of the electric heater and install the supplied S 10-16 x .50 HHW screw through electrical box cover and into bulkhead. See (FIG. 2).
6. Plug the 3 pin electrical cord from heater into the mating connector from unit.
7. **⚠ WARNING** FIRE HAZARD. Do **NOT** allow wiring or other objects to contact electric heater. Failure to obey this warning could result in death or serious injury.
Secure all wiring in a manner that will prevent them from coming in contact with electric heater.
8. Dip switch setting (CCC & CCC 2 electronic controls only).
 - a. Remove electrical box cover. See (FIG. 3) & (FIG. 4).



- b. Place dip switch #1 (CCC) units) or dip switch #6 (CCC 2 units) in the "ON" position. See (FIG. 5) & (FIG. 6).

INSTALLATION INSTRUCTIONS



- c. Reinstall electrical box cover.
9. Reinstall the evaporator cover and outside plastic shroud.
10. Locate the unit rating label on the bottom of the unit and mark the electric heat box with an X. This will indicate an electric heater has been installed.

i If electric heater is being installed on an initial installation, return to unit installation instructions and complete the installation.

11. Reconnect 120 Vac and 12 Vdc power supplies.
12. If unit is equipped with CCC or CCC 2 electronic controls proceed to "C. System Reset (CCC & CCC 2 thermostat only)" on page (6) otherwise proceed to "D. System Check Out" on page (6).

B. Models 5791X, 45791X, 59516, 459516, 520XXX, & 540XXX

i These models include units with mechanical controls and units with electronic control box installed on template.

Electric heater will be installed through bottom of unit. On initial unit installations this can be done prior to placing unit on the roof.

On pre-installed units, remove the air distribution box or return air grille. Remove the ceiling template on units with mechanical controls.

1. **⚠ WARNING** ELECTRICAL SHOCK HAZARD. Disconnect 120 Vac power from RV. Failure to obey this warning could result in death or serious injury.

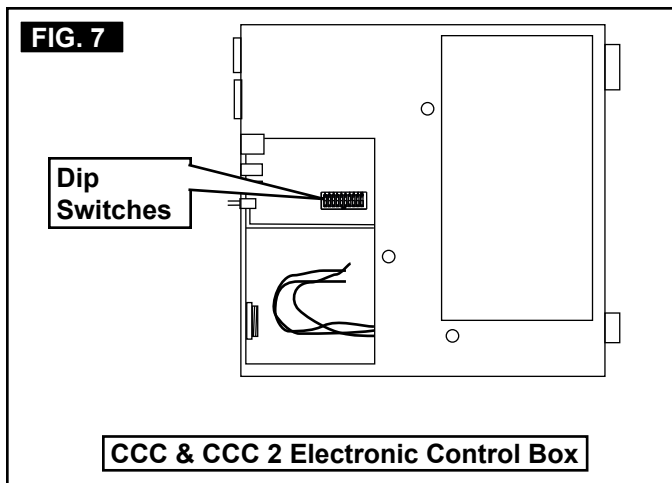
NOTICE Disconnect the positive (+) 12 Vdc terminal from supply battery. Otherwise, damage to unit could occur.

2. With the heater guard facing down, insert stud of the electric heater in the 0.30" diameter hole approximately one inch. See "FIG. 2" on page (4).
3. Raise the electrical box end of the electric heater and install the supplied S 10-16 x .50 HHW screw through electrical box cover and into bulkhead. See "FIG. 2" on page (4).

i Reinstall the ceiling template on units with mechanical controls.

4. Plug the 3 pin electrical cord from heater into the mating connector in the electronic control box.
5. **⚠ WARNING** FIRE HAZARD. Do **NOT** allow wiring or other objects to contact electric heater. Failure to obey this warning could result in death or serious injury.
Secure all wiring in a manner that will prevent them from coming in contact with electric heater.
6. Dip switch setting (CCC & CCC 2 electronic controls only).
 - a. Remove electrical box cover. See (FIG. 7).

INSTALLATION INSTRUCTIONS



- b. Place dip switch #1 (CCC) units) or dip switch #6 (CCC 2 units) in the "ON" position. See "FIG. 5" on page (5) & "FIG. 6" on page (5).
- c. Reinstall electrical box cover.
7. Locate the unit rating label on the bottom of the unit and mark the electric heat box with an X. This will indicate an electric heater has been installed.
 If electric heater is being installed on an initial installation, return to unit installation instructions and complete the installation.
8. Reconnect 120 Vac and 12 Vdc power supplies.
9. If unit is equipped with CCC or CCC 2 electronic controls proceed to "C. System Reset (CCC & CCC 2 thermostat only)" on page (6) otherwise proceed to "D. System Check Out" on page (6).

C. System Reset (CCC & CCC 2 thermostat only)

1. CCC Thermostat
 - a. Turn the ON/OFF switch to the "OFF" position.
 - b. Simultaneously depress and hold the Mode and ZONE push-buttons while turning the ON/OFF switch to "ON". FF should appear in LCD display until the mode and zone push-buttons are released.
2. CCC 2 thermostat
 - a. Make sure the CCC 2 thermostat is in the **OFF** mode.
 - b. Simultaneously press the **MODE** and **ZONE** buttons. The LCD will display "IniT" and all available zones.
 - c. Release the **MODE** and **ZONE** buttons.
 - d. Press the **ON/OFF** button to exit system setup.

D. System Check Out

1. Refer to unit operating instructions (or user's guide) and check operation.