



RECORD THIS INFORMATION FOR FUTURE
REFERENCE:

Model Number _____
Serial Number _____
ADB Model Number _____
ADB Serial Number _____
Date Purchased _____

INSTALLATION INSTRUCTIONS

DuraSea Roof Top Air Conditioner

Roof Top Unit			
Description	Model	Use With Air Distribution Box (not included)	
		Model	Single Zone LCD Electronic Control
Air Conditioner	489516P 489516A	3314860.000	3313189.049 Cool/Furn/HS White

This Unit is designed for OEM installation.



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

REVISION B

Form No. 3315429.000 09/16
(French 3315825.000_B)
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INTRODUCTION

This air conditioner (hereinafter referred to as “unit” or “product”) is designed and intended for installation on the roof of a boat during the time the vessel is manufactured.

This unit can be installed by one person with brief help from additional personnel. Use these instructions to ensure a properly installed, and properly functioning product.

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

TABLE OF CONTENTS

INTRODUCTION	2
DOCUMENT SYMBOLS	2
IMPORTANT SAFETY INSTRUCTIONS	3
A. Recognize Safety Information	3
B. Understand Signal Words	3
C. Supplemental Directives	3
D. General Safety Messages	3
SPECIFICATIONS	4
A. Table - Unit Data	4
B. Roof Requirements	4
INSTALLATION INSTRUCTIONS	5
A. Choosing Proper Location For Unit	5
B. Roof Preparation	5
C. Wiring Requirements	6
D. Choosing Thermostat Location	6
E. Thermostat & Thermostat Communication Cable Installation	6
F. Placing Unit On Roof	7
G. Installation Preparation	7
H. 120 Vac Power Supply Connection	8
I. Duct Divider Installation	8
J. Low Voltage Wire Connections	9
K. Installing Unit	9
L. Installing ADB	10
GENERAL INFORMATION	12
A. Heat Gain	12
B. Condensation	12
SERVICE-UNIT DOES NOT OPERATE	12
WIRING DIAGRAM	13
A. Unit Wiring Diagram	13
B. Electronic Control Kit Wiring Diagram	13
OWNER'S LIMITED WARRANTY	14
A. What's Covered	14
B. What's Not Covered	14
C. Coverage Period	15
D. Getting Service	15
E. Table Of Warranty Periods	16

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 users 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 ABYC, local or national codes, including the latest edition of the following standards:

U.S.A.

- ANSI/NFPA70, National Electrical Code (NEC)

CANADA

- CSA C22.1, Parts I & II, Canadian Electrical Code

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 in any way. Modification can be extremely hazardous.
- Do **NOT** add any devices or accessories to this product except those specifically authorized in writing by Dometic Corporation.

SPECIFICATIONS

A. Table - Unit Data

Model No.	Nominal Capacity (BTU HR) Cooling	Electrical Rating	Compressor Rated Load Amps	Compressor Locked Rotor Amps	Fan Motor Rated Load Amps	Fan Motor Locked Rotor Amps	Refrigerant R-410A (oz)	Minimum Wire Size*	AC Circuit Protection ***Installer Supplied	Minimum Generator Size** 1 Unit / 2 Units
489516P70X	15,000	120 Vac 60 Hz 1 ph	13.3	66.0	2.5	5.8	27.5	12 AWG Copper Up to 24'	20 Amp	3.5 kW / 5.0 kW
489516P71X	15,000		13.3	70.0	2.5	5.8	27.5		20 Amp	3.5 kW / 5.0 kW
489516A71X	15,000		13.3	70.0	2.5	5.8	27.5		20 Amp	3.5 kW / 5.0 kW

* For wire length over 24 ft., consult the National Electrical Code for proper sizing.

** Dometic Marine gives **GENERAL** guidelines for generator requirements. To reduce start-up power draw by up to 65%, consider installing a Dometic SmartStart.

*** CIRCUIT PROTECTION: Time Delay Fuse or Circuit Breaker Required.

B. Roof Requirements

- A 14-1/4" x 14-1/4" ($\pm 1/8$ ") square opening (hereinafter referred to as "roof opening") is required for installing this unit. This opening is part of the return air system of the unit and **MUST** be finished in accordance with NFPA 1192.
- If applicable: Roof construction with rafters/joists support frames on a minimum of 16 inch centers.
- Minimum of 2 inches and maximum of 4 inches distance between roof to ceiling.

INSTALLATION INSTRUCTIONS

A. Choosing Proper Location For Unit

This unit is specifically designed for installation on the roof of a boat. Mount only with front of unit facing the bow (the vented end should face aft). See "FIG. 5" on page (7).

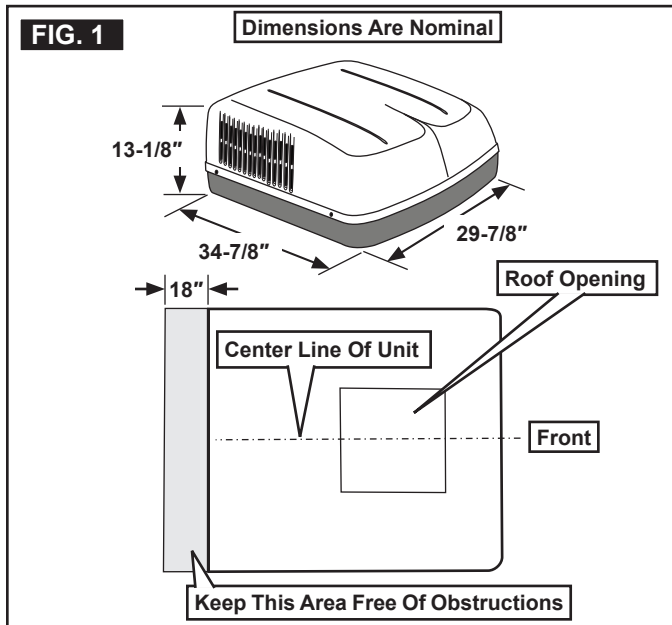
When determining your cooling requirements, the following should be considered:

- Size of boat;
- Window area (increases heat gain);
- Amount of insulation in walls and roof;
- Geographical location where boat will be used;
- Personal comfort level required.

It is preferred that the unit be installed on a relatively flat and level roof section. See table below for maximum acceptable tilt.

Model Number	Max Tilt
489516P	15°
489516A	

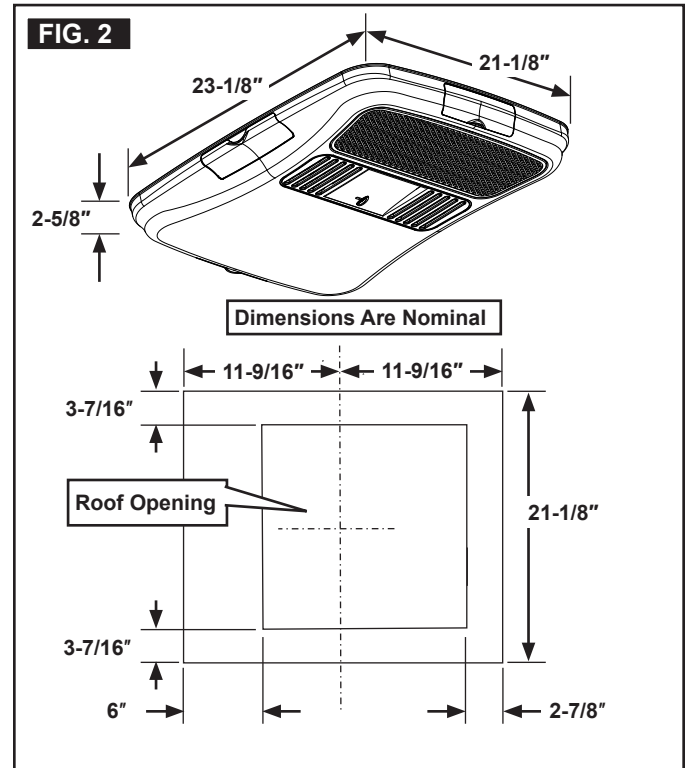
1. After Location Has Been Selected:
 - a. Check for obstructions in the area where unit will be installed. See (FIG. 1).



- NOTICE** Maintain structural integrity. Otherwise damage to product and/or boat could occur.

The roof must be designed to support 130 pounds when the boat is in motion. Normally a 200 lb. static load design will meet this requirement.

- c. Check inside the boat's cabin for air distribution box (hereinafter referred to as "ADB") obstructions (i.e. space for doors to open, room dividers, curtains, ceiling fixtures, etc.). See (FIG. 2).



B. Roof Preparation

1. **WARNING** FIRE OR ELECTRICAL SHOCK HAZARD. Verify there are no obstacles inside boat's roof and/or walls (wires, pipes, etc.). Shut **OFF** gas supply, disconnect 120 Vac power from boat and disconnect positive (+) 12 Vdc terminal from supply battery **BEFORE** drilling or cutting into boat. Failure to obey these warnings could result in death or serious injury.

i Opening Requirements - Before preparing the ceiling opening, read all of the following instructions before beginning the installation.

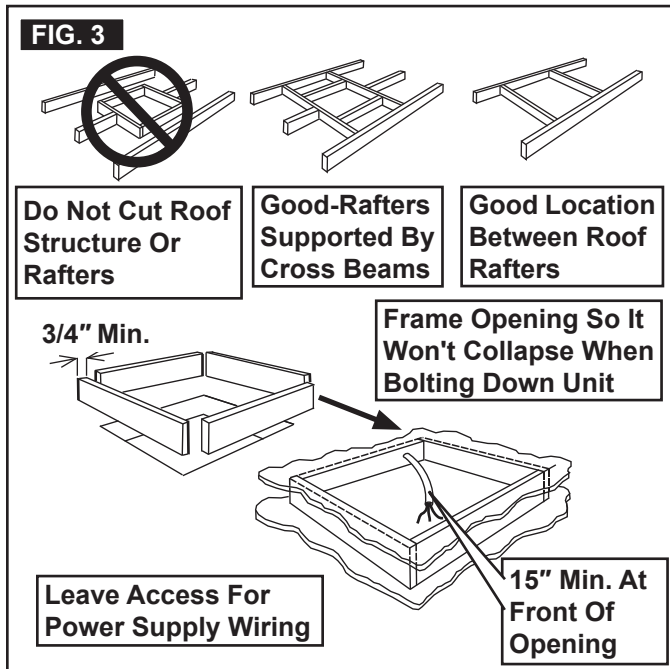
2. Carefully mark and cut the required roof opening. See "B. Roof Requirements" on page (4).
3. **NOTICE** Maintain structural integrity. Otherwise damage to product and/or boat could occur.

NOTICE **NEVER** create a low spot on boat roof. Otherwise, water will pool and could cause a leak.

INSTALLATION INSTRUCTIONS

Using the roof opening as a guide, cut the matching hole in the ceiling.

The opening created must be framed to provide adequate support and prevent air from being drawn from the roof cavity. Framing stock 3/4" or more in thickness must be used. Remember to provide an entrance hole for power supplies, thermostat communication cable, and furnace wiring (if applicable) at the front of the opening. See (FIG. 3).



C. Wiring Requirements

-  1. Route a copper, with ground, 120 Vac supply wire from the time delay fuse or circuit breaker box to the roof opening. Use a listed/certified non metallic - sheathed single strand cable. See "A. Table - Unit Data" on page (4).
 - a. This supply wire must be located in the front portion of the roof opening.
 - b. The power **MUST** be on an appropriately sized separate time delay fuse or circuit breaker. See "A. Table - Unit Data" on page (4).
 - c. Make sure that at least 15" of supply wire extends into the roof opening. This insures an easy connection at the junction box.
 - d. Protect the wire where it passes into the opening with approved method.

2. Route a dedicated 12 Vdc supply wire (18-22 AWG) from the boat converter (filtered side) or battery to the roof opening.
3. Route a 3 conductor communication cable, 18 to 22 AWG, from the roof opening to the Liquid Crystal Display Single Zone (hereinafter referred to a LCD SZ) thermostat mounting location. Make sure that at least 15" of the wire extends into the roof opening and 6" extends from the wall at the thermostat mounting location. See "D. Choosing Thermostat Location" on page (6).
4. If system includes a gas furnace, route two 18 gauge thermostat wires from the furnace to the roof opening of the unit that will control it. If more than one furnace is to be used, route the second set of thermostat wires to the second unit. Make sure that at least 15" of wire extends into the opening.

D. Choosing Thermostat Location

The proper location of the thermostat is very important to ensure that it will provide a comfortable boat temperature. Observe the following rules when selecting a location.

1. Locate the thermostat 54" above the floor.
2. Install the thermostat on a partition, not on an outside wall.
3. **NEVER** expose the thermostat to direct heat from lamps, sun or other heat producing items.
4. Avoid locations close to doors that lead outside, windows, or adjoining outside walls.
5. Avoid locations close to supply registers and the air from them.

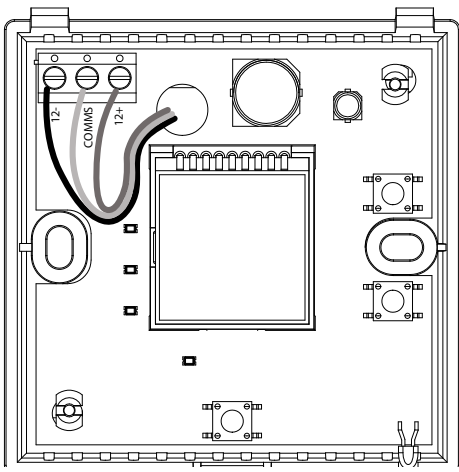
E. Thermostat & Thermostat Communication Cable Installation

 Wire colors listed for the communication cable (3 conductor cable) match the wire colors in the unit wire harness and the wire harness at the LCD SZ electronic control box. Available wire colors may vary.

1. Remove the cover from the LCD SZ thermostat. Depress tab on bottom of thermostat and separate it from the base.
2. Insert the previously run communication cable (3 conductor cable) through the hole in the base assembly.
3. Cut back the outer cable shield approximately 3 inches and strip 1/4" insulation from each wire.
4. Mount the thermostat level on the wall using the screws provided.
5. Make the following connections to the thermostat. See (FIG. 4).

INSTALLATION INSTRUCTIONS

FIG. 4



- Red/white wire to the 12V+ terminal
- Black wire to the 12V- terminal
- Orange wire to the "COMMS" terminal

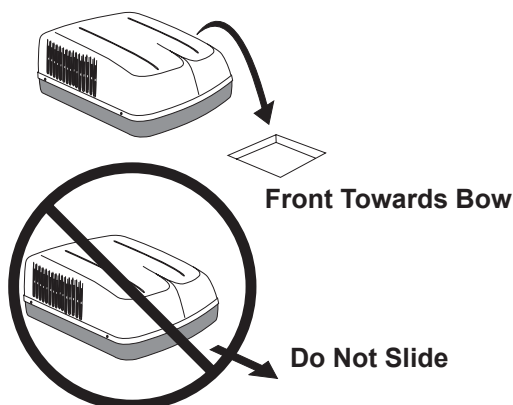
6. Inspect all connections to make sure they are tight and not touching any other terminals or wires.
7. Push the wires back through the base into the wall. Place cover on the thermostat and push until an audible click is heard.

F. Placing Unit On Roof

1. Remove the unit from the carton and discard carton.
2. **⚠ CAUTION** LIFTING HAZARD. Use proper lifting technique and control when lifting product. Failure to obey this caution could result in injury. Place unit on the roof.
3. **NOTICE** Do **NOT** slide unit. Otherwise, damage to gasket (on bottom of unit) may occur, and could cause a leak. Lift and place the unit over the prepared opening using the gasket on the unit as a guide. See (FIG. 5).

FIG. 5

Lift And Place



4. Place the ADB kit (ordered separately) inside the boat. These boxes contain mounting hardware for the unit and will be used inside the boat.



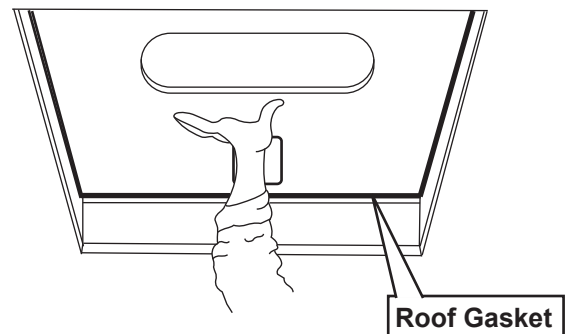
This completes the outside work. Minor adjustments can be done from inside the boat if required.

G. Installation Preparation

1. Check for correct alignment and adjust the unit as necessary. Roof gasket centers over the roof opening). See (FIG. 6).

FIG. 6

Center Unit From Below

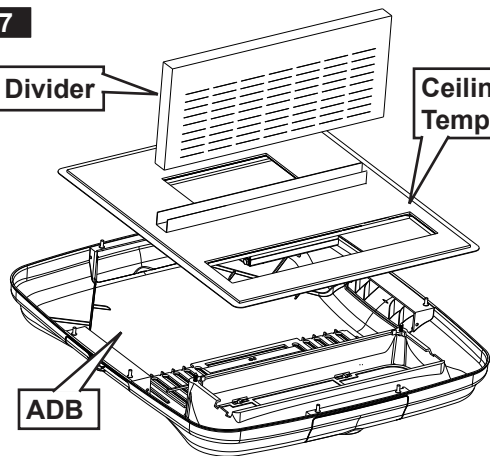


2. Remove ADB and mounting hardware from carton. See (FIG. 7).

FIG. 7

Duct Divider

Ceiling Template

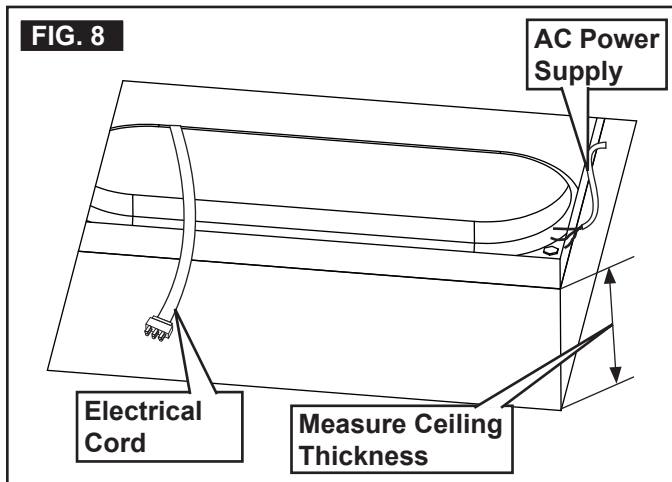


3. All models in this manual will use a four (4) bolt pattern for installing the ADB kit.

INSTALLATION INSTRUCTIONS

H. 120 Vac Power Supply Connection

1. **⚠ WARNING** ELECTRICAL SHOCK HAZARD. Verify 120 Vac power is disconnected from boat. Failure to obey this warning could result in death or serious injury.
2. **⚠ WARNING** ELECTRICAL SHOCK HAZARD. Provide grounding in compliance with all applicable electrical codes. Failure to obey this warning could result in death or serious injury.
3. Reach up into the return air opening of the unit and pull down the unit electrical cord and power supply wires. See (FIG. 8).

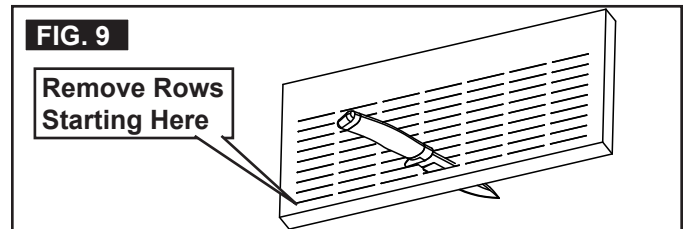


4. Route the previously run 120 Vac supply wire through the strain relief and into junction box. Tighten strain relief making sure not to damage wires. Leave enough wire inside junction box to connect to unit 120 Vac wires.
5. Connect white to white; black to black; and green to green or bare copper wire using appropriate size wire connectors.
6. Tape the connectors to the supply wire to ensure they don't vibrate loose.
7. Install junction box cover. Push the wires into the junction box and install junction box cover using screw provided.
8. Plug the 6 pin electrical cord from the unit into the mating connector in the electronic control box. The plug is polarized and will only fit in one direction.

I. Duct Divider Installation

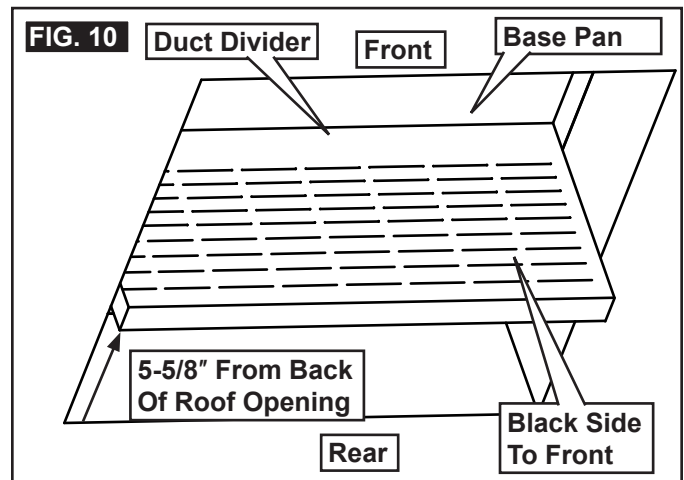
1. Measure the ceiling thickness. See (FIG. 8).
2. Cut away the number of rows as indicated in table below. See (FIG. 9).

Ceiling Thickness		# Of Rows To Cut	Ceiling Thickness		# Of Rows To Cut
Min.	Max.		Min.	Max.	
6.0	6.5	0	3.5	4.0	5
5.5	6.0	1	3.0	3.5	6
5.0	5.5	2	2.5	3.0	7
4.5	5.0	3	2.0	2.5	8
4.0	4.5	4	1.5	2.0	9



3. Carefully install the duct divider in the roof opening 5-5/8" from back of roof opening. See (FIG. 10).

i Foil back faces rear of unit.

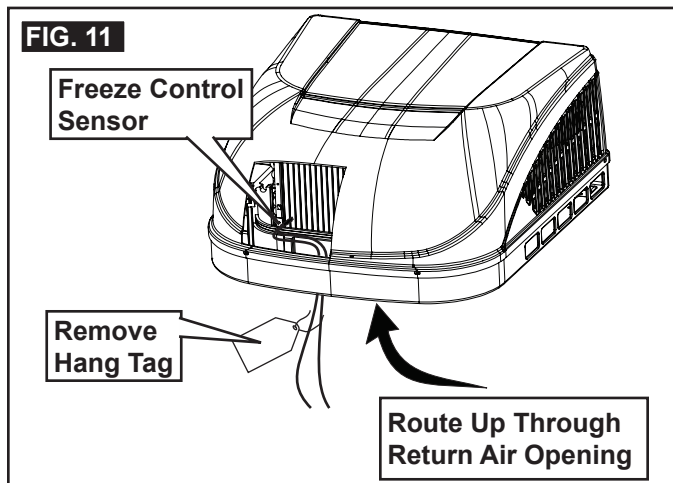


INSTALLATION INSTRUCTIONS

J. Low Voltage Wire Connections

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

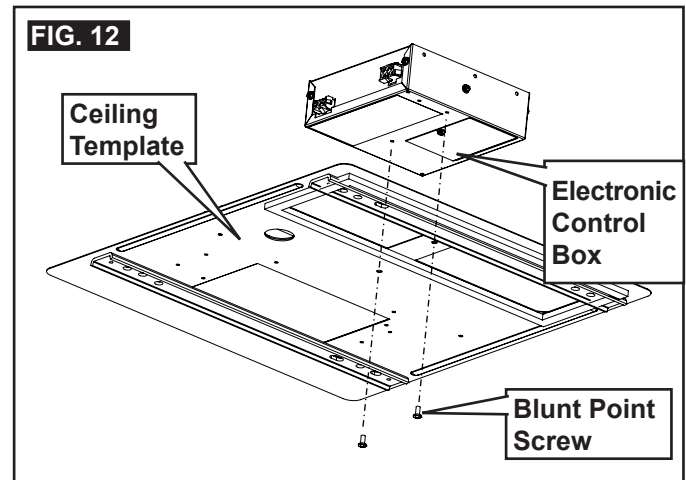
1. Insert the freeze control sensor into the evaporator coil fins approximately 1" above the bottom of the coil fins and on the left side. See (FIG. 11). Bend fins over sensor to secure in place.



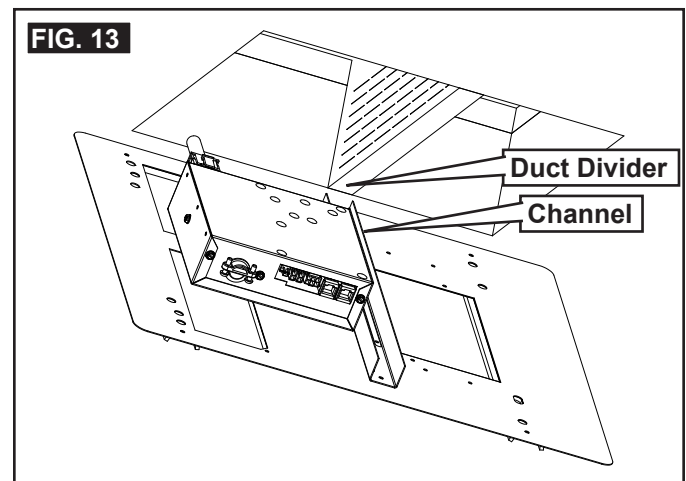
2. Connect the previously run +12 Vdc supply wire to the red wire at the electronic control box.
3. Connect the previously run -12 Vdc supply wire to the black wire at the electronic control box and to the wire of the three wire cable that goes to the thermostat 12V- terminal.
4. Connect the previously run furnace thermostat wires (if applicable) to the 1/4" connectors at the electronic control box using the supplied 1/4" insulated connectors. The polarity of this connection does not matter.
5. Connect the red/white wire at the electronic control box to the wire of the three wire cable that goes to the thermostat 12V+ terminal.
6. Connect the orange wire at the electronic control box to the wire of the three wire cable that goes to the thermostat COMMS terminal.

K. Installing Unit

1. Install the electronic control box. Make sure all wiring has been completed and that the electronic control box cover has been installed. To secure electronic control box to ceiling template drive two (2) #10 x 3/8" blunt point Phillips head screws (provided) through the ceiling template and into holes in the electronic control box. See (FIG. 12).

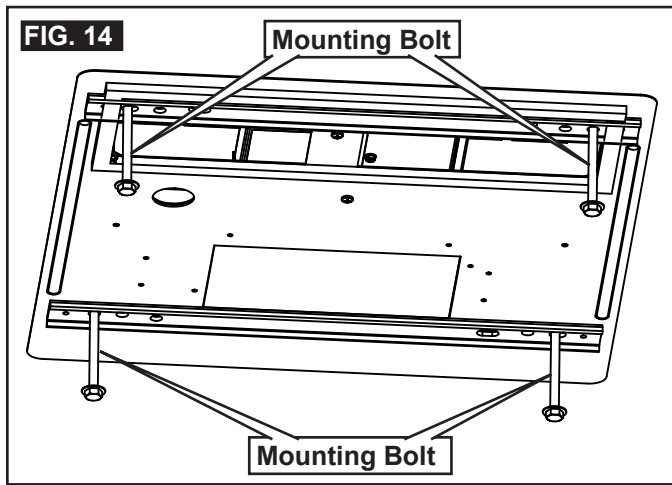


2. If your installation includes the optional electric heat kit, install it at this time. Follow the instructions with heat kit package for its installation procedure.
3. Ceiling Template Installation
 - a. Hold the ceiling template up to the roof opening and line up the channel in the ceiling template with the previously installed duct divider. See (FIG. 13).

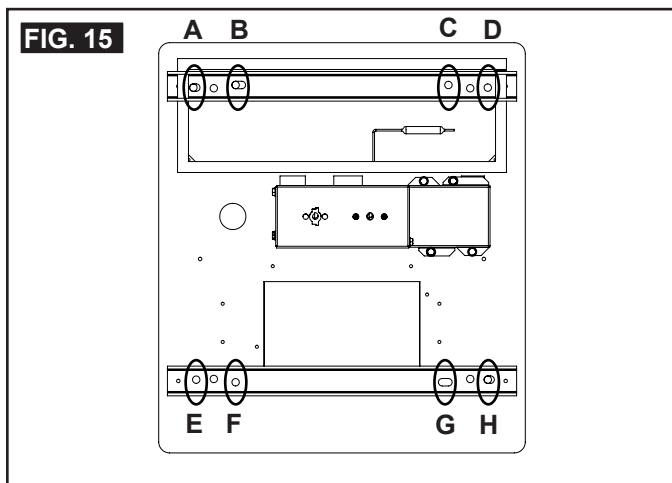


INSTALLATION INSTRUCTIONS

- b. Hold the ceiling template up to the roof opening and start each mounting bolt by hand, through the ceiling template and up into the unit base pan. See (FIG. 14) & (FIG. 15).



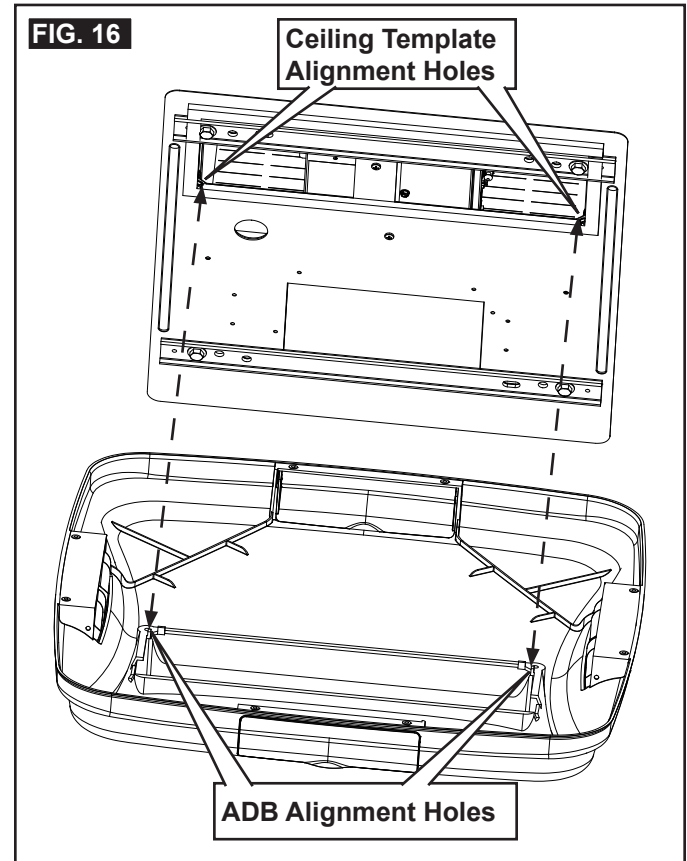
Mounting Bolt Pattern Table See (FIG. 15)	
Model	Bolt Location
489516P	A, D, E & H
489516A	



L. Installing ADB

1. Align ADB with ceiling template. See (FIG. 16) & (FIG. 17).

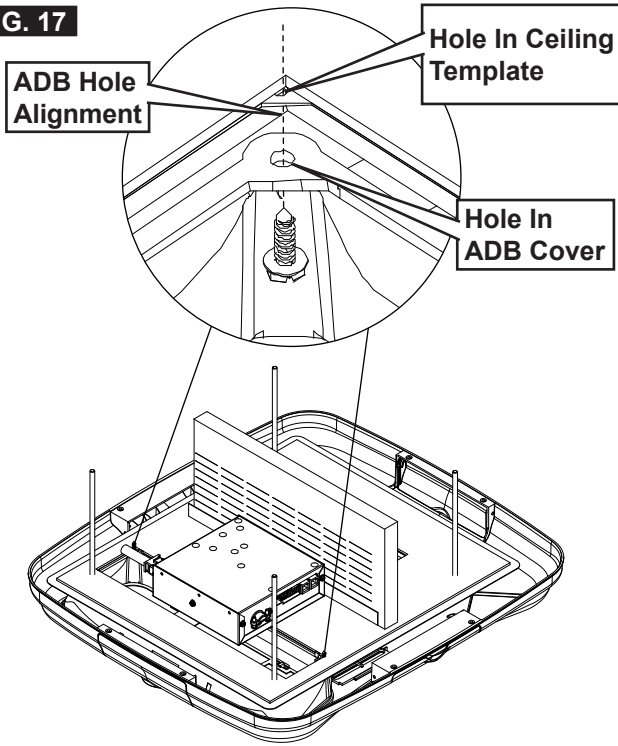
i Front and rear vent doors are supplied loose. Do **NOT** install them until all screws are installed in step 2 & 3.



- c. **NOTICE** Tighten mounting bolts to correct torque specifications. Overtightening could damage unit's base pan or ceiling template. Not enough torque will allow an inadequate roof seal, and could cause a leak.
- d. Tighten all four (4) mounting bolts **EVENLY** with in 40 to 50 inch pounds. See (FIG. 14).

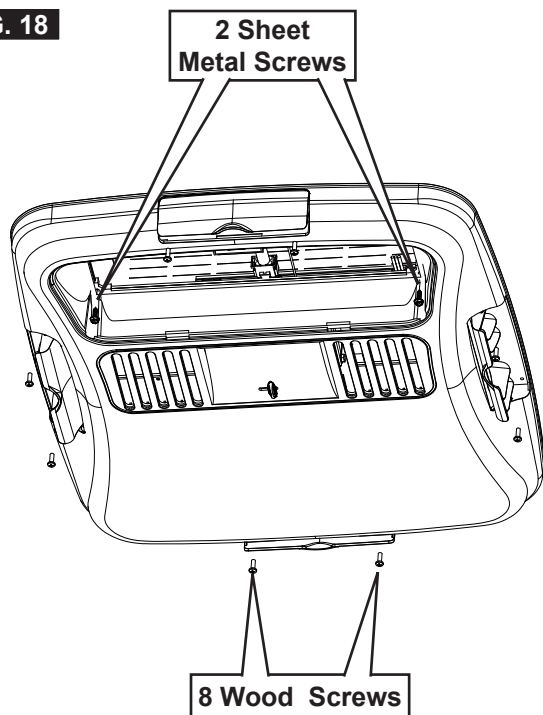
INSTALLATION INSTRUCTIONS

FIG. 17



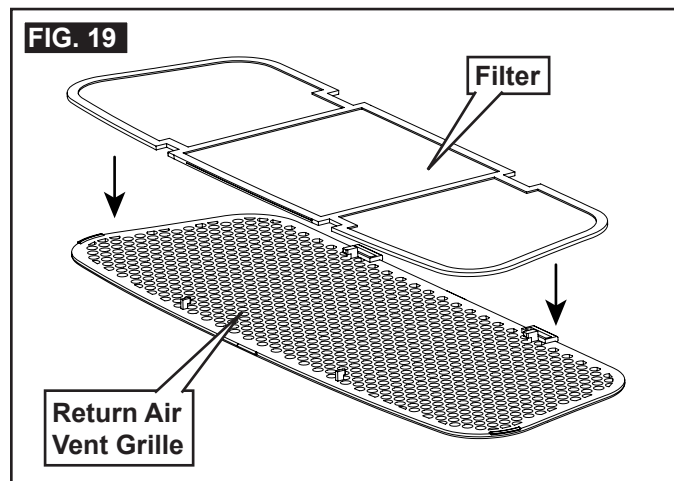
2. Install two (2) (supplied) sheet metal screws inside return air opening to secure ADB to ceiling template. See (FIG. 18).
3. Install eight (8) (supplied) wood screws inside the front, rear, and side doors to secure ADB to ceiling. See (FIG. 18).

FIG. 18



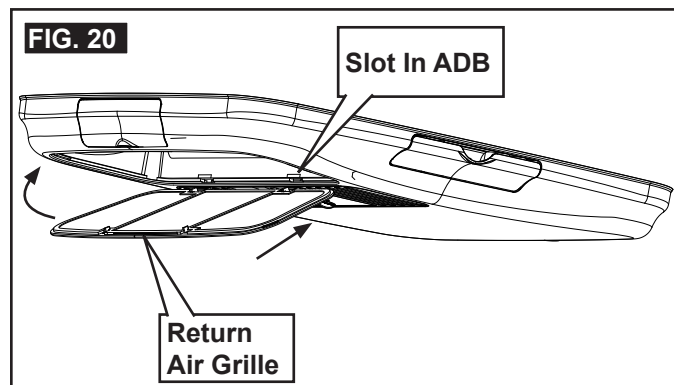
4. Install front and rear doors.
5. Place filter into return air vent grille. It may already be installed on some units. See (FIG. 19).

FIG. 19



6. Install return air vent grille into the ADB. Slide return air vent grille tab into slot in ADB and rotate up and snap in place. See (FIG. 20).

FIG. 20



7. Verify that all features of the system work. See the LCD SZ thermostat Operating Instructions or User's Guide. Reconnect the 12 Vdc and 120 Vac power supplies. Check fan speeds, cooling mode, heating mode, and furnace mode (if connected) operation.
If features do not work, disconnect the 120 Vac and 12 Vdc power supplies and verify that all wiring is correct.

GENERAL INFORMATION

A. Heat Gain

The ability of this air conditioner to maintain the desired inside temperature depends on the heat gain of the boat.

Some preventative measures taken by the occupants of the boat can reduce the heat gain and improve the performance of the air conditioner. During extremely high outdoor temperatures, the heat gain of the boat may be reduced by:

1. Mooring the boat in a shaded area
2. Using window shades (blinds and/or curtains)
3. Keeping windows and doors shut or minimizing usage
4. Avoiding the use of heat producing appliances
5. Add heat-rejection film on windows

Operation on High Fan/Cooling mode will give optimum or maximum efficiency in high humidity or high outside temperatures.

Starting the air conditioner early in the morning and giving it a "head start" on the expected high outdoor ambient will greatly improve its ability to maintain the desired indoor temperature.

B. Condensation

The manufacturer of this unit will not be responsible for damage caused by condensation forming on ceilings, windows, or other surfaces. Air contains water vapor which condenses when temperature of a surface is below Dew point. During normal operation this unit is designed to remove a certain amount of moisture from the air, depending on the size of the space being conditioned. Keeping doors and windows closed when this air conditioner is in operation will greatly reduce the chance of condensation forming on interior surfaces.

SERVICE-UNIT DOES NOT OPERATE

If your unit fails to operate or operates improperly, check the following before calling your service center.

- Check your fuse or circuit breaker to see if it is open. Insure fuse is not burnt, or circuit breaker is "ON" and not activated.
- After the above checks, call your local service center for further help. This unit must be serviced by qualified service personnel only.
- If any wiring or supply cord is damaged and needs to be replaced, it must be replaced by the manufacturer or its service agent or a similarly qualified person.

To locate a service technician near you:

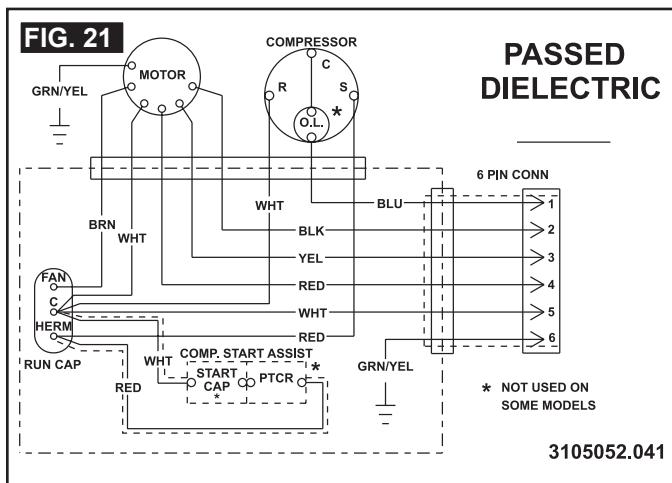
- Go to **WWW.dometic.com/marinedealers** or
- Call Dometic Marine at **1-800-542-2477** 8:00 AM to 5:00 PM Eastern Time, or **1-888-440-4494** after hours and weekends.

When calling for service, always give the following:

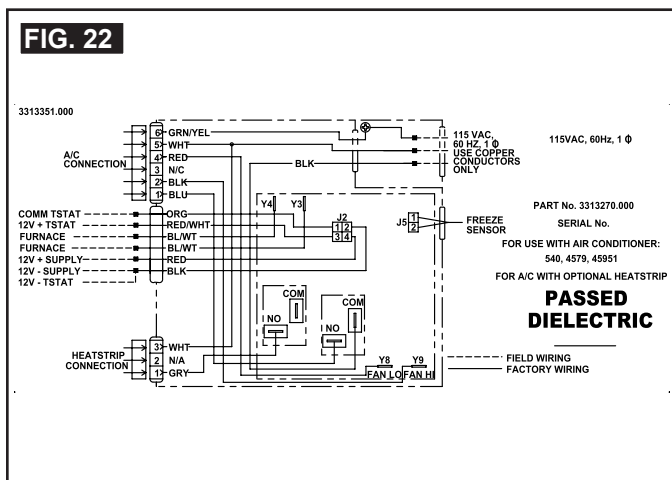
- Unit type and serial number found on the identification label located on base pan of unit bottom. Return air grille must be removed from ADB.
- ADB model and serial number found on rating plate located on ceiling template. Observe this rating plate through the filter opening.

WIRING DIAGRAM

A. Unit Wiring Diagram



B. Electronic Control Kit Wiring Diagram



OWNER'S LIMITED WARRANTY

As hereinafter described, Dometic limits the duration of any implied warranty to the duration of the underlying express warranty and also disclaims any liability for consequential or incidental damages arising from any application, installation, use or malfunction of any warranted product.

A. WHAT'S COVERED

What does the Limited Warranty cover?

Products manufactured by Dometic Corporation (Dometic) are under limited warranty to be free from defects in workmanship or materials. This being under normal use and service, with the obligation of Dometic under this limited warranty, being limited to replacing or repairing any component(s) which shall disclose defects within the limits defined in **Section C**. Which upon examination by Dometic, shall appear to the satisfaction of Dometic to be defective or not up to specifications.

This Limited Warranty is made in lieu of all other express warranties, obligations, or liabilities on the part of Dometic. In addition, Dometic shall not be responsible for any incidental or consequential damages. In those instances in which a cash refund is made, such refund shall effect the cancellation of the contract of sale without reservation of rights on the part of the purchaser. **Such refund shall constitute full and final satisfaction of all claims which the purchaser has or may have against Dometic due to any actual or alleged breach of warranty, either express or implied, including, without limitation, any implied warranty or merchantability or fitness for a particular purpose.** Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation may not apply to you.

The Dealer is not an agent for Dometic, except for the purpose of administering the above warranty to the extent herein provided. Dometic does not authorize the dealer or any other person to assume for Dometic any liability in connection with such warranty, or any liability or expense incurred in the replacement or repair of its products other than those expressly authorized herein. Dometic shall not be responsible for any liability or expense except as is specifically authorized and provided in this section.

Dometic reserves the right to improve its products, through changes in design or material without being obligated to incorporate such changes in products of prior manufacture. Dometic can make changes at any time in design, materials, or part of units of any one, model year, without obligation or liability to owners of units of the same year's model of prior manufacture.

This warranty gives you; the purchaser, specific legal rights, and you may also have other rights which vary from state to state. You also have implied warranty rights, including an implied warranty of merchantability, which means that your product must be fit for the ordinary purpose for which such goods are used. **The duration of any implied warranty rights is limited to the duration of the express warranty as found in Section C.** Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

B. WHAT'S NOT COVERED

What does this Limited Warranty not cover?

This Warranty Shall Not Apply to:

1. Failures resulting from improper installation or use contrary to instructions.
2. Failures resulting from abuse, misuse, accident, fire, or submergence.
3. Any part manufactured by Dometic, which shall have been altered so as to impair its original characteristics.
4. Any parts which fail as a result of misuse, improper application or improper installation.
5. Items not manufactured by Dometic, i.e., items, which are purchased from another manufacturer and supplied as received by Dometic without alteration or modification except as any part of a Dometic manufactured unit or component.
6. Components or parts used by or applied by the purchaser, as an integral part of products not manufactured by Dometic.
7. Labor resulting from difficult access to a Dometic product. The original installer or OEM is responsible for accessibility of unit.
8. Leaks due to improper installation of split systems and refrigeration systems, for example; packing glands, flare nuts, quick disconnects. The adjustment of the refrigerant charge on a split system should be charged to the original installer or OEM.
9. Freight Damage.
10. Pumps that have been run dry, are water damaged or have blown freeze plugs.
11. Pumps with cracked heads.
12. Pump seals are not covered.
13. UV light bulbs are not covered.
14. Liquid line filter dryers are not covered.
15. Blowers with water damage.
16. Logic boards with water damage. Logic boards with blown MOV's (Power Surge). Mis-programmed displays.

OWNER'S LIMITED WARRANTY

17. Display heads with water damage.
18. Dirty Condensers and/or Evaporators.
19. Failures due to improper winterization.
20. Unit damage as a result of improper return packaging.
21. Replacement of freon with substitute without authorization from factory.
22. Environmental and/or Recovery Fees.
23. Welding and Nitrogen Fees.
24. Travel costs are included in the hourly labor allowances and should not be billed as a separate item without preapproval from the factory.

Installation and application of Dometic components is not warranted by Dometic, because Dometic has no control or authority over the selection, location, application, or installation of these components.

C. COVERAGE PERIOD

What is the period of coverage?

(See **Limited Warranty Periods** at the end of this book).

All Dometic components bear a data plate on which there are model and serial numbers. The serial number is date coded. To determine whether or not any Dometic component is in warranty, proceed as follows:

1. Determine the manufacture date of the component from the serial number on the data plate. If you are not familiar with the date code, write or call the Dometic Customer Service Department to obtain the manufacture date. The hours of the Customer Service Department are 8:00 a.m. - 5:00 p.m. (USA, Eastern Standard Time Zone) Monday through Friday excluding holidays.
2. It is possible that there might exist a considerable time lag between the date a component is manufactured and the date it is put in service. In such instances, the date of manufacture could indicate that the item is out of warranty. However, based on the date the equipment is first put in service, the item may still be covered by the Dometic warranty as described in **Section A**. For proof of date put in service, Dometic will require a copy of the bill of sale of the Dometic equipment from the installer or new boat dealer to the original owner.

D. GETTING SERVICE

How do you get service?

Please read the following Warranty Procedure:

If the failure of a Dometic component is determined to be covered under the Dometic warranty and the time in service is determined to be within the warranty time limit, the owner has the following three options:

1. Preferred option: Have a Dometic authorized Servicing Dealer, perform the work needed. The customer needs to call Dometic Customer Service Department for a recommendation as to the closest dealer. If the customer already knows an authorized servicing dealer, the dealer should be contacted directly.
2. Second option: If the customer contacts Dometic Service Department for a Servicing Dealer and Dometic has no one in that particular area, Dometic will authorize the use of a local service company and Dometic will work with the local company to assist in any way possible.
3. Third option: The customer may send his equipment back to the factory to have the repair work done. Dometic will make every effort to return the equipment to the customer within a three week time period. If the claim represents a legitimate warranty problem, Dometic will pay the freight both ways. Dometic prefers option one first, option two second, and option three only if one and two are not available.

The customer may contact the Dometic Service Department at 954-973-2477 Monday through Friday, 8:00 a.m. - 5:00 p.m. Eastern Time. After hours (evening and weekends) technical support is offered through Dometic's 24/7 Hotline at 888-440-4494.

OWNER'S LIMITED WARRANTY

E. TABLE OF WARRANTY PERIODS

DOMETIC DURASEA ROOFTOP AIR CONDITIONING		
Important Notes: 1. Warranty periods begin from the date of possession of the boat by the first owner if OEM installed or date of installation if dealer installed, but not to exceed three (3) years from date of production. The warranty is transferable and will carry the remainder of the original owner's warranty based on the original date of purchase or date of installation. 2. Proof of purchase or installation may be required to verify warranty coverage. 3. Any unit or replacement part installed due to a warranty failure carries the remainder of the original warranty. Warranty coverage does not start over from the repair/replacement date. 4. Warranty coverage shall not exceed three (3) years from date of production. 5. These warranty periods are effective March 1, 2010.		
Product	Sale Type	Warranty Coverage
DuraSea Rooftop	OEM or Dealer Installed	1-Year Warranty, parts and labor. Not to exceed three (3) years from date of manufacture.