

SERVICE OFFICE
Dometic Corporation
For Information
Contact:
www.dometic.com

3309983.009
MOTOR REPLACEMENT KIT
220/240 VAC 50Hz.
For
Type 3253.331 Air Conditioner

! WARNING

This manual must be read and understood before installation, adjustment, service, or maintenance is performed. This unit must be installed by a qualified service technician. Modification of this product can be extremely hazardous and could result in personal injury or property damage.

SERVICE INSTRUCTIONS

3309983.009
MOTOR REPLACEMENT
KIT

SAFETY INSTRUCTIONS

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

RECOGNIZE SAFETY INFORMATION



This is the safety-alert symbol. When you see this symbol in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating instructions.

UNDERSTAND SIGNAL WORDS

A signal word, **WARNING OR CAUTION** is used with the safety-alert symbol. They give the level of risk for potential injury.

! WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

! CAUTION Indicates a potentially hazardous situation which, if not avoided may result in minor or moderate injury.

CAUTION When used without the safety alert symbol indicates, a potentially hazardous situation which, if not avoided may result in property damage.

Read and follow all safety information and instructions.

GENERAL INSTRUCTIONS

! WARNING

These instructions must be read and understood before installation of this kit. This kit must be installed by a Dometic Service Center or a qualified service technician. Modification of this product can be extremely hazardous and could result in personal injury or property damage.

A. Product features or specifications as described or illustrated are subject to change without notice.

B. Precautions

1. Read instructions carefully before attempting to start installation.
2. Dometic Corporation will not be liable for any damages or injury incurred due to failure in following these instructions.
3. All field wiring modification should be made in compliance with all National or Local Codes or regulations.
4. This equipment must be installed by qualified personnel and some areas require these people to be licensed.

C. Tools Required:

1. Screwdriver
2. Wire Cutters/Strippers
3. Pliers, Wrenches
4. Electrical Tape

D. Kit Contains:

- | | | |
|---------|-------------|--------------|
| (1 ea.) | 3106068.020 | Asm. Motor |
| (3 ea.) | 20009.002 | Wire Nut |
| (1 ea.) | 3307807.002 | Collar |
| (1 ea.) | 3309984.007 | Instructions |

INSTALLATION INSTRUCTIONS

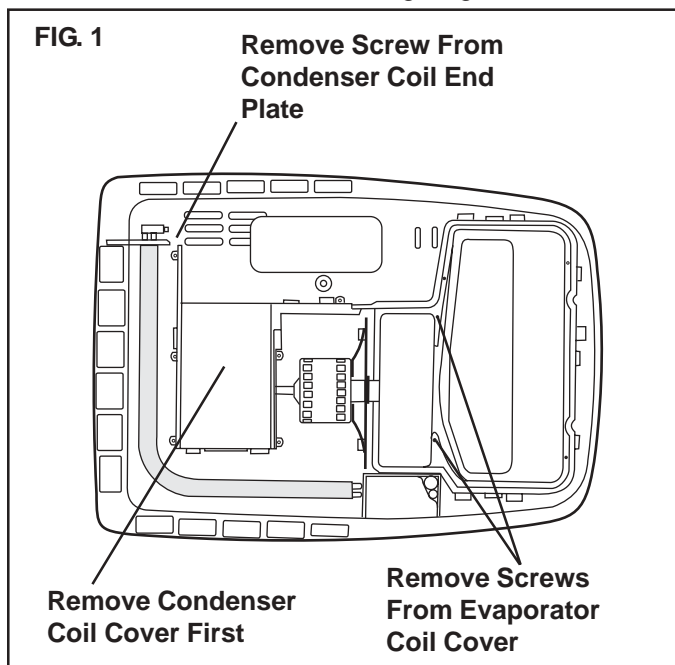
- A. Turn all 220/240 VAC power off to the air conditioner at circuit breaker.

⚠ WARNING

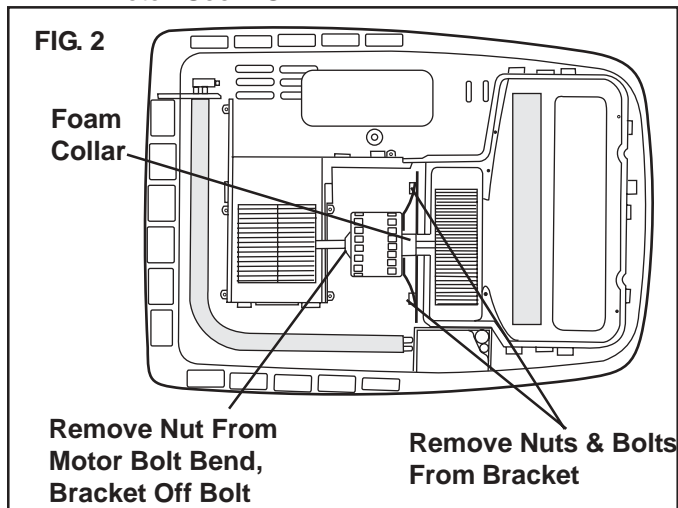
Disconnect 220/240 VAC. Failure to follow these instructions could create a shock hazard causing death or severe personal injury.

B. MOTOR REMOVAL

1. Remove shroud to expose condenser and evaporator plastic covers.
2. Remove screws that secure the plastic evaporator and condenser housings together. See FIG. 1.



3. Unfasten clips and remove the evaporator and condenser covers exposing both blower wheels.
4. Remove the nut from the lower motor brace below the rear shaft of the motor. Use a flat bladed screw driver and bend the motor bracket until it is off the motor. See FIG. 2.



5. Remove the two 1/4- 20 bolts that fasten the motor to the front mounting bracket. See FIG. 2.

C. WIRING REMOVAL

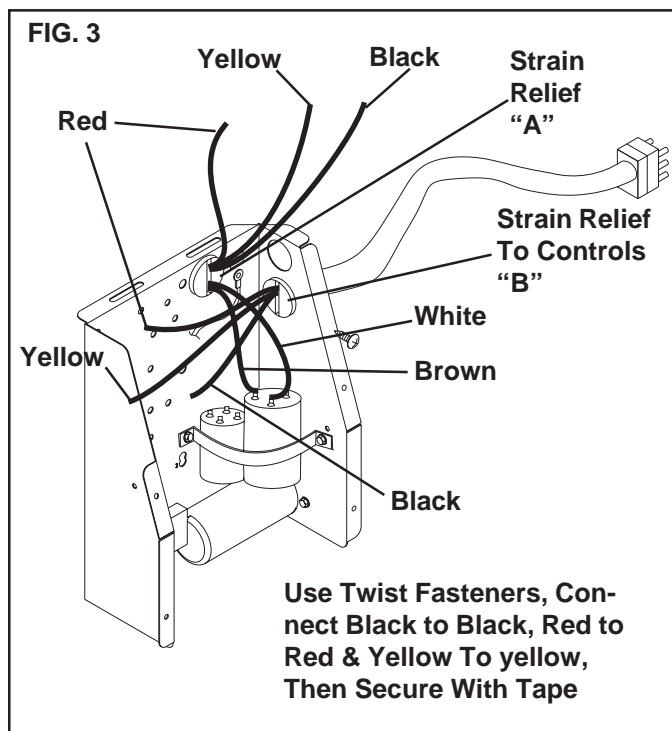
1. Remove Brown and White motor wires from run capacitor.
2. Cut Black, Red and Yellow motor wires 6" to 8" from strain relief (B).
3. Remove strain relief (A). Pull motor wires out toward motor. See FIG. 3.
4. The motor and both wheels can be lifted out of the unit. Remove blower wheels off motor shafts.

D. MOTOR REPLACEMENT

1. Remove the protective paper from the 3307807.002 foam collar. Place the foam collar around the new motor evaporator blower shaft with the sticky surface towards motor.
2. Place wheels on the motor shafts.
3. Replace motor in unit, in reverse of removal.
4. Center blower wheels in their housings and tighten set screw and clamp.

E. WIRING INSTALLATION

1. Route wires into electrical box through strain relief (A). Replace strain relief.
2. Reconnect the Brown and White motor wires to the fan capacitor.
3. Cut Black, Red and Yellow motor wires to with sufficient length to connect to same color wires from strain relief (B). See FIG. 3.



3. Strip each Black, Red and Yellow wire 3/4". Twist Black to Black, Red to Red and Yellow to Yellow, then secure tightly with twist wire fasteners. Tape twist fasteners to wires completing the connections.
4. Check all connections for proper installation.
5. Do a visual inspection for loose, broken or shorted wiring. Replace all electrical covers and the shroud.
6. Turn on the 220/240 VAC power and test the unit for proper operation.