

FAN BLADE, BLOWER WHEEL AND FAN MOTOR REPLACEMENT INSTRUCTIONS FOR MODELS 41001.601 and 41001.602 AIR CONDITIONERS

These instructions are for the following
Dometic Replacement Kits:

3108704.291	Kit, Fan Motor
3108706.601	Kit, Fan Motor
3108704.309	Kit, Blower Wheel
3108704.317	Kit, Fan Blade

PROCEDURE FOR REPLACING FAN BLADE, BLOWER WHEEL AND FAN MOTOR

! 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.

! WARNING

Disconnect 115 volt AC and 12 volt DC. Failure to follow these instructions could create a shock hazard causing death or severe personal injury.

A. GENERAL INSTRUCTIONS

1. You have diagnosed one of these components as defective and are now ready to make the replacements.
2. Remove the rear grille and remove (2) hold down brackets on rear of heat pump. (See FIG. 1).
3. Remove the front grille and pull heat pump forward to gain access to the 120 VAC junction box and disconnect wires. (See FIG. 2). Make sure there is no 120 VAC present by testing the wires with a VOA meter.
4. Remove the electrical box cover and disconnect the thermostat wires. (See FIG. 2).

IMPORTANT: Some screws are blunt pointed and must be reinstalled in the proper position. Note the type of screw when removed so it can be reinstalled correctly.

5. Locate and remove the (8) screws at the bottom right and left side of the heat pump. (See FIG. 2).
6. Locate and remove the (14) plastic buttons in the outer cover. (See FIG. 2). This can be done by sliding a pair of side-cutters under the head of the button and lifting up.
7. Separate the outer cover from the evaporator cover and lift off the outer cover.

FIG. 1

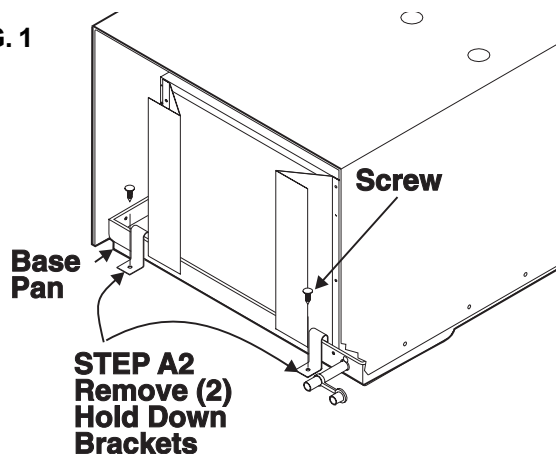
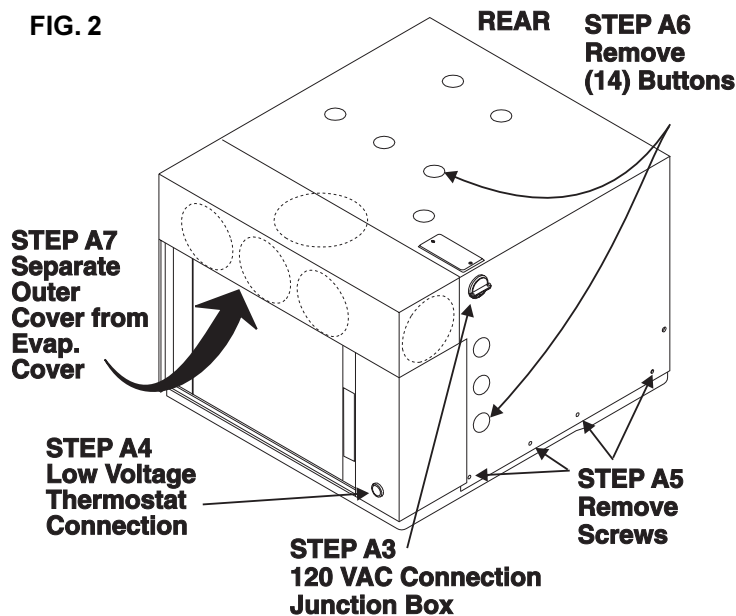


FIG. 2



REVISION

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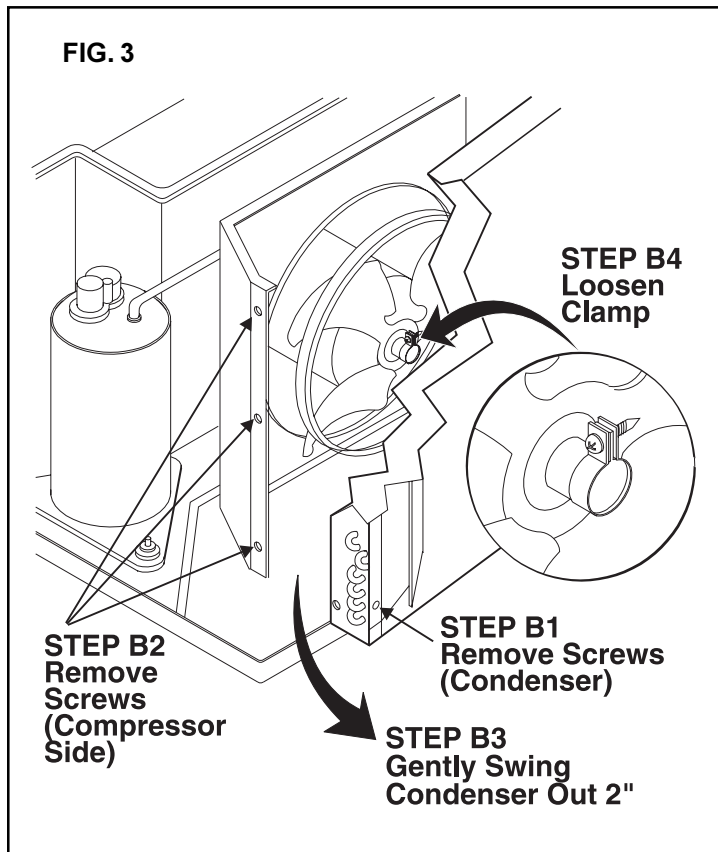
IMPORTANT: Be careful not to damage either part. (See FIG. 2). When reinstalling the outer cover, it may be necessary to apply two-sided tape to this area. It is important that this be resealed.

B. FAN BLADE REMOVAL

FOLLOW STEPS UNDER SECTION A.

1. Remove the (2) mounting screws at the right and left lower corners of the condenser. (See FIG. 3).
2. Remove the (3) screws on the compressor side of fan shroud.
3. Separate the condenser from the shroud and carefully lift it up over the base pan and gently swing it about two inches outside the base pan.
4. Next loosen the clamp on the blower wheel and slide it off the motor shaft.
5. If no further repairs are required, reassemble in reverse order with new fan blade.

Note: Mount fan blade flush with the end of motor shaft.



C. BLOWER WHEEL REMOVAL

FOLLOW STEPS UNDER SECTION A.

1. Remove the two screws holding evaporator cover to bulkhead. (See FIG. 4).
2. Remove the two screws that mount the evaporator to the electrical box. (See FIG. 4).
3. Remove sealant from copper lines where they pass through the bulkhead. (See FIG. 4).
4. Lift evaporator up and swing it out over the base pan about three inches. This step must be done carefully. The evaporator can damage the drain pan if it comes in contact. Also, **DO NOT** over extend the evaporator. If you put too much pressure on the copper tubes, they could fracture.
5. Lift out foam block surrounding blower wheel.
6. Loosen blower wheel clamp and slide wheel off motor shaft.
7. If not further repairs are required, reassemble in reverse order with new blower wheel.

Note: Mount wheel hub flush with end of motor shaft.

D. FAN MOTOR REMOVAL

FOLLOW STEPS UNDER SECTIONS A, B & C.

1. Disconnect fan motor wires in electrical panel.
2. Remove the (3) mounting flange nuts and washers.
3. Lift out fan motor.
4. If not further repairs are required, reassemble in reverse order with new fan motor.

