

CAUTION

Use all applicable Safety precautions while working on, around or under any machinery.

Parts Required

Blower Motor Replacement Kit: 70022804

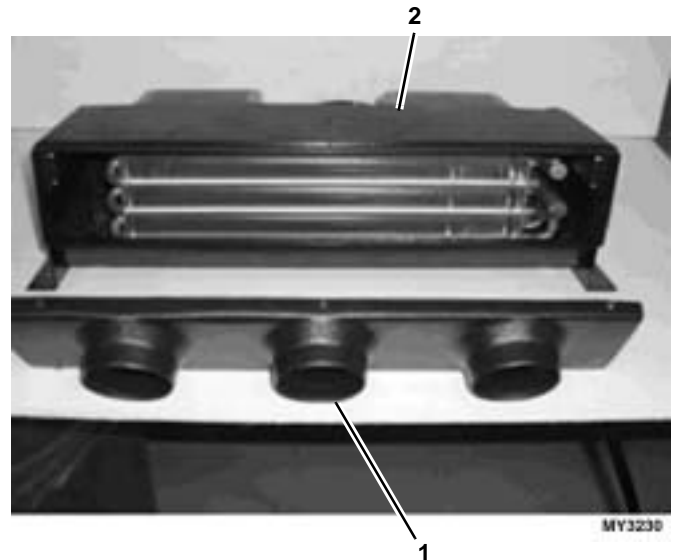
The following procedure describes the removal and installation of the blower motor assembly on the heater and/or heater/air conditioning unit.

Note: If machine is equipped with air conditioning, DO NOT loosen or disconnect any air conditioning hoses until the air conditioning system has been properly drained by the local JLG dealer or certified air conditioning service center.

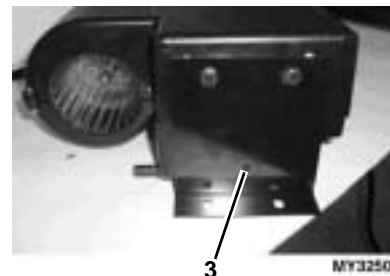
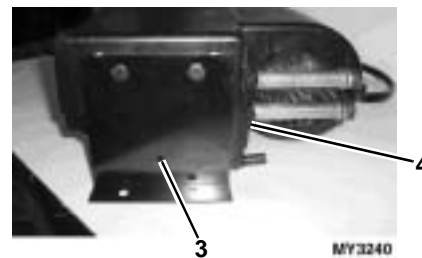
Heater/Air Conditioning Assembly Removal

1. Remove any attachment from the machine.
2. Park the machine on a firm, level surface with the boom level and fully retracted. Place the travel select lever in the (N) NEUTRAL position and engage the parking brake. Shut the engine OFF.
3. Place a Do Not Operate Tag on both the ignition key switch and the steering wheel, stating that the machine should not be operated.
4. Allow the engine and all system fluids to cool.
5. Properly disconnect the battery.
6. Refer to the appropriate Service Manual for detailed heater and/or heater/air conditioning removal instructions.

Blower Motor Removal



1. Remove the six phillips head screws holding the three-holed front cover (1) to the heater unit (2).



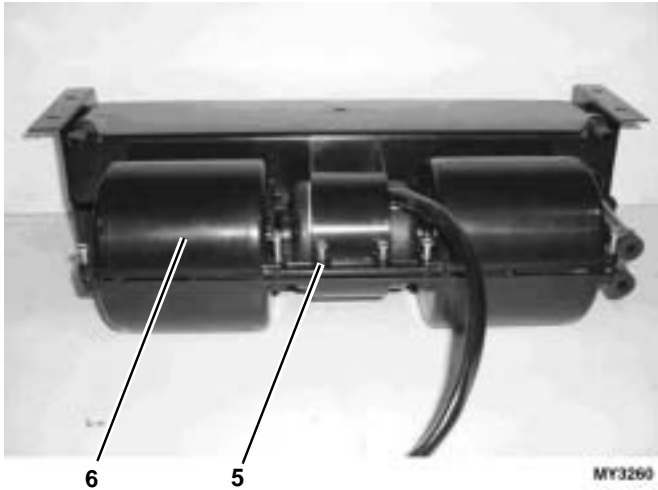
2. Remove the bottom phillips head screw (3) from each mounting bracket.
3. Remove the Prestite Cork Tape (4) located on the plastic case around the copper heater core tubes.

Note: The Blower assembly is upside down in steps 4 thru 7.

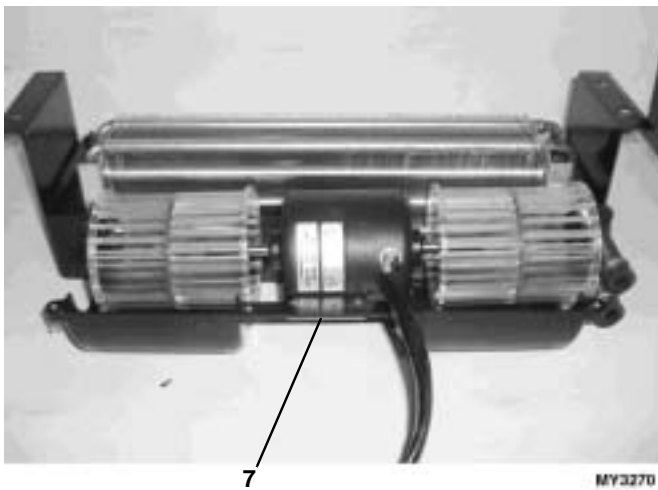
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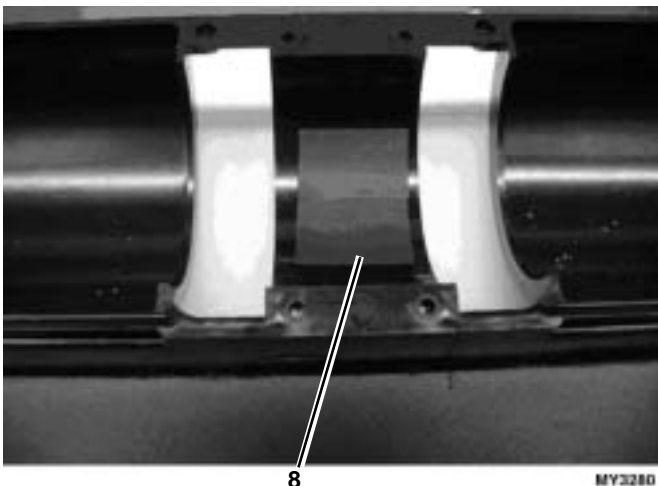
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4. Turn the heater unit upside down and remove the ten phillips head screws (5).
5. Remove the plastic motor/heater case (6) cover to expose the blower motor.



6. Remove the blower motor (7).

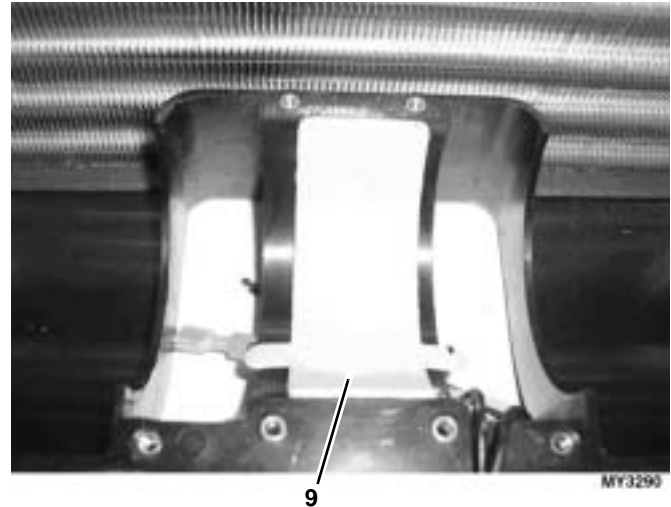


7. Remove the black foam (8) from the plastic case half where the blower motor was sitting.

Note: Do Not remove the black foam from the other plastic case half.

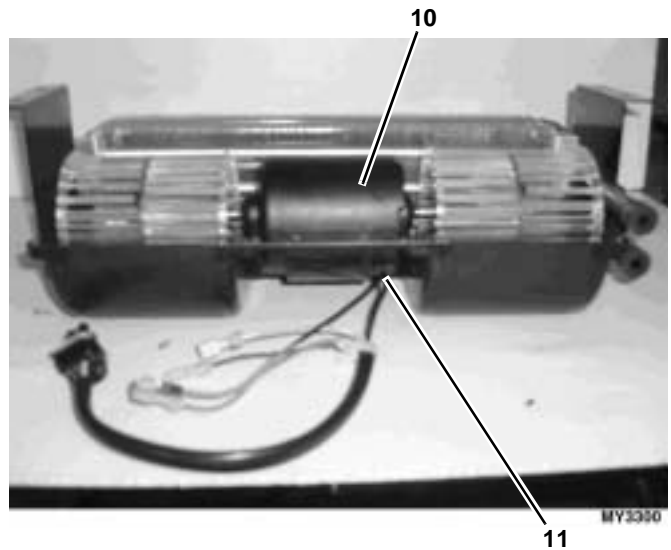
Blower Motor Installation

Note: The blower assembly is upside down in steps 1 thru 9.



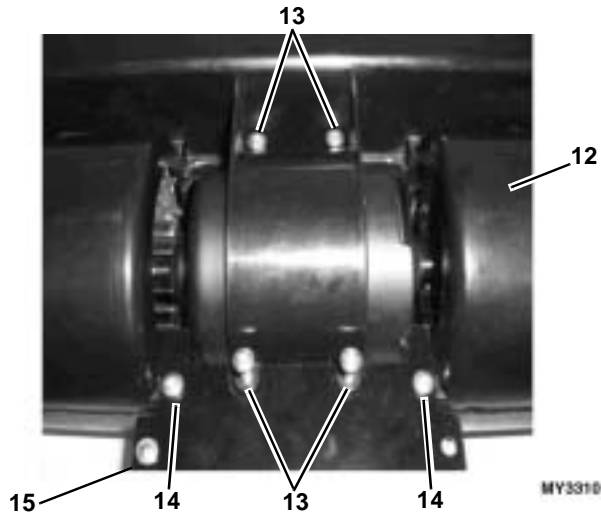
1. Install one white rubber gasket (9) where the original black foam was removed.

Note: Note the location of the directional arrow on the replacement blower motor (10).

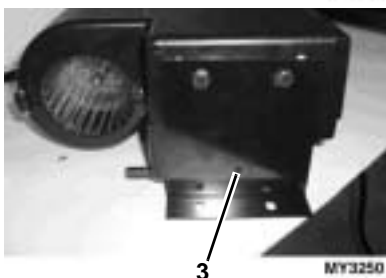
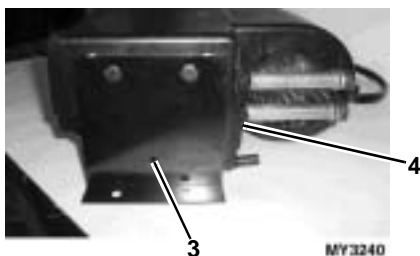


2. Feed the replacement blower motor wire harness (11) through the right slot in the upper plastic case. Place the replacement blower motor (10) into the upper plastic case half with the directional arrow facing out.
3. Center the blower motor/wheel unit (10) so the blower wheels (left & right) are evenly spaced on either side of the plastic case.

Note: Verify that the blower motor is rotated clockwise (looking at the motor from the right side of the heater case) until the wire harness touches the upper part of the plastic case slot. This will ensure that the resistor bracket (installed later) will line up with the mounting holes in the case.

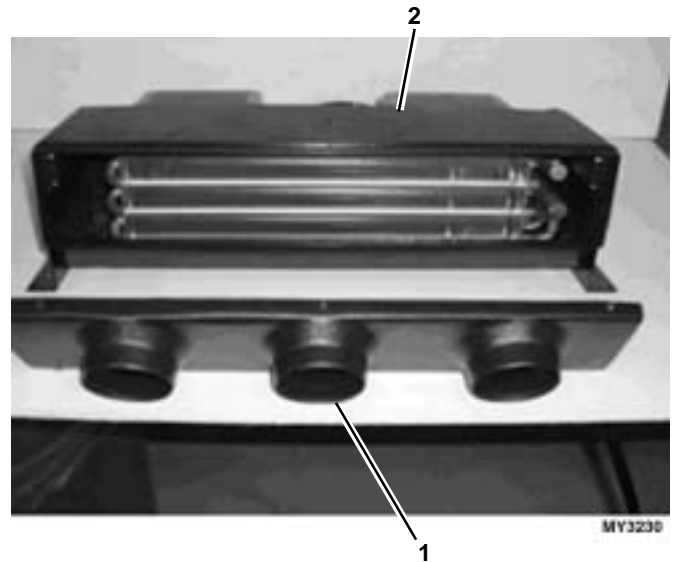


4. Reinstall the lower plastic cover (12) onto the upper plastic case.
5. Tighten the four screws (13) that secure the blower motor in place. After securing the blower motor in place, manually rotate the blower wheel to ensure that the wheels do not contact either side of the heater case.
6. With the exception of the resistor block mounting bracket screws (14), tighten the remaining screws.
7. Install the resistor/mounting bracket (15) and tighten into place.

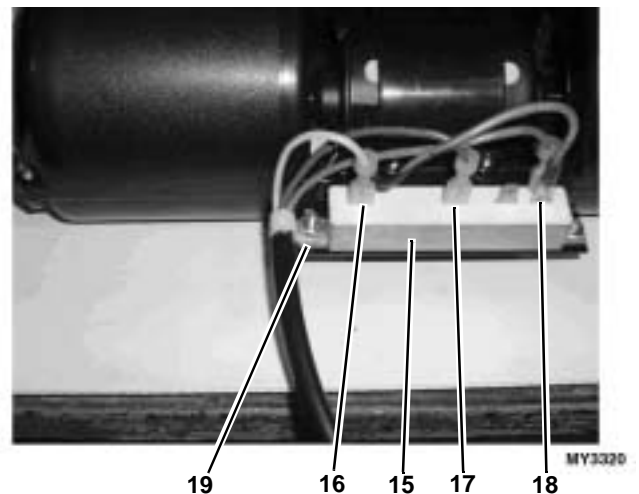


8. Reinstall the bottom phillips head screw (3) previously removed from each mounting bracket.

9. Install new Prestite Cork Tape (4) around both copper heater tubes to form an air tight seal on the heater case.
10. Turn the heater unit right side up.



11. Reinstall the six phillips head screws holding the three-holed front cover (1) to the heater unit (2).



12. Connect the appropriate colored wire to the resistor block (15). Left-Yellow (16), Middle-Red (17), Right-Orange (18).
13. Attach the plastic hold down clamp (19) to the wire harness and secure to the resistor block bracket using the supplied bolt & nut. Hand tighten with appropriate tools to ensure clamp does not crack.

14. Refer to the appropriate Service Manual for detailed heater and/or heater/air conditioning installation instructions.

Note: *If machine is equipped with air conditioning, the air conditioning system must be serviced by the local **JLG** dealer or certified air conditioning service center.*

15. Connect the battery.
16. Remove the Do Not Operate Tag from the ignition key switch and the steering wheel.