

SubDrive/MonoDrive NEMA 1

Fan Replacement Install Guide



SUBDRIVE/MONODRIVE NEMA 1 FAN REPLACEMENT INSTALL GUIDE

⚠ WARNING

Serious or fatal electrical shock may result from contact with internal electrical components. **DO NOT**, under any circumstances, **ATTEMPT TO CHANGE FAN** until power has been removed from drive, capacitors are discharged, and 5 minutes have passed for internal voltages to discharge! Before replacing fan, make sure fan is not working properly by performing the simple fan test below:

Fan Test

- Fan can be unplugged from the drive and tested with a 9V battery to show functionality.
 - Connect the red (+) lead from the battery to the red fan connector and the black (-) lead from the battery to the black fan connector.
 - Connect the battery clip to the 9V battery. The fan should spin freely and quietly.
- To make sure fan power supply works properly; the drive must be run and powered above 500 watts.



If the fan does not perform as stated above, note the error and consult your local Franklin Electric Representative or call Franklin Electric's Submersible Service Hotline at 1-800-348-2420.

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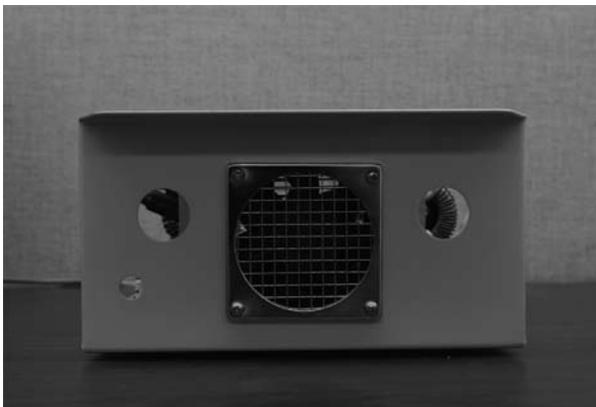
⚠ WARNING

REMOVE ALL INCOMING ELECTRICAL POWER TO THE SUBDRIVE. THIS IS A NON-POWERED ELECTRIC PROCEDURE.

STEP 1:

Verify the Fan Replacement Kit.

SUBDRIVE/MONODRIVE	SIZE	FAN KIT #	FAN COVER
SubDrive75 and MonoDrive	80 mm (3.15")	225635905	Chrome
SubDrive75 and MonoDrive	92 mm (3.62")	225635908	Integrated
SubDrive100/150 and MonoDriveXT	80 mm (3.15")	225635907	Chrome
SubDrive100/150 and MonoDriveXT	92 mm (3.62")	225635909	Integrated



Chrome Metal Fan Cover



Integrated Enclosure Fan Cover

STEP 2:

Loosen and remove bolts, nuts and screen and discard **OR** remove rivets from bottom of enclosure.



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STEP 3:

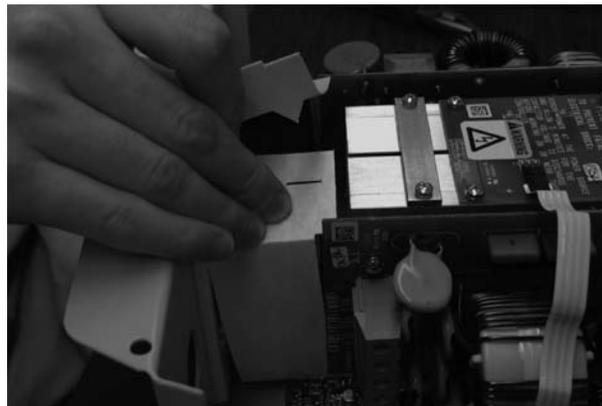
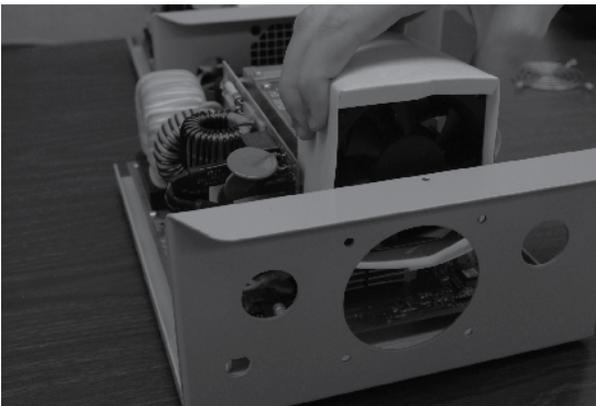
Disconnect power connection from main board.



STEP 4:

Remove fan and shroud from enclosure. Be sure to remove nuts from enclosure **OR** undo cardboard shroud and remove fan.

Notes: Keep cardboard fan shroud and discard fan.



STEP 5:

Locate airflow indication arrow on side of fan. Position fan so that air is directed into the enclosure.



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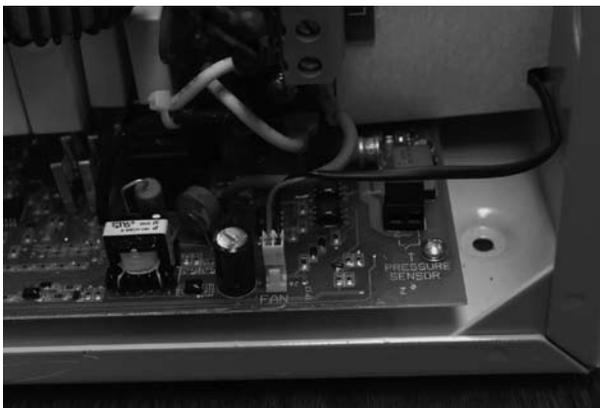
STEP 6:

Replace fan in shroud and reinstall in enclosure.



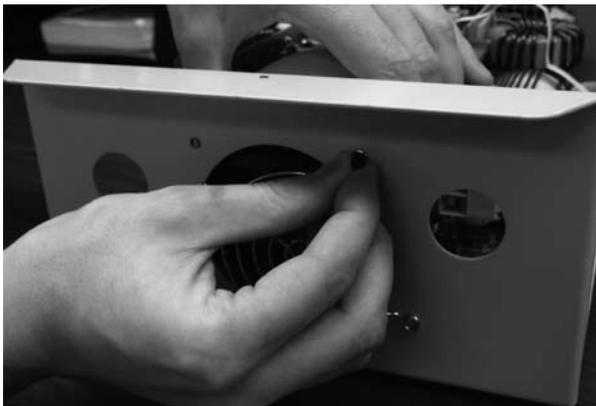
STEP 7:

Route fan wires through notch in shroud.



STEP 8:

While holding fan in place with one hand, secure fan (and new fan guard, if applicable) using the supplied plastic rivets to enclosure. To install rivet, first insert outer plug then insert plunger to secure.



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STEP 9:

Reconnect power connection.



STEP 10:

Fan installation complete. Verify that fan turns on and is working properly.

If you experience any difficulty in performing these steps, consult your local Franklin Electric representative or call Franklin Electric's Submersible Service Hotline.

Submersible Service Hotline: 1-800-348-2420



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