

Home Hub 3 Ph Inverter Single Fan Support kit

This manual describes how to replace the Single Fan. P/N **FLD-AG-48B-SFAN-A-01**

Kit Contents

- Home Hub 3 PH Inverter Single Fan Support kit.

Required Tools

- Torque screwdriver for 1/4" hex bit
- 4 mm Allen hex bit
- PH2 Philips screwdriver

Removing the Cover

1. Turn the ON/OFF/P Toggle Switch OFF (0).



Figure 1: ON/OFF/P toggle switch OFF

2. Disconnect AC power to the inverter by turning OFF the main circuit breakers or disconnecting the fuses in the power distribution panel and wait for five minutes for the DC Voltage inside the inverter to drop to a safe level before proceeding to the next step. Lock the power distribution panel and keep the key in your pocket.
3. Turn OFF the battery.
4. Use a 4 mm Allen hex bit to loosen all 10 screws in the following sequence. Turn all the screws half a turn and remove the cover.

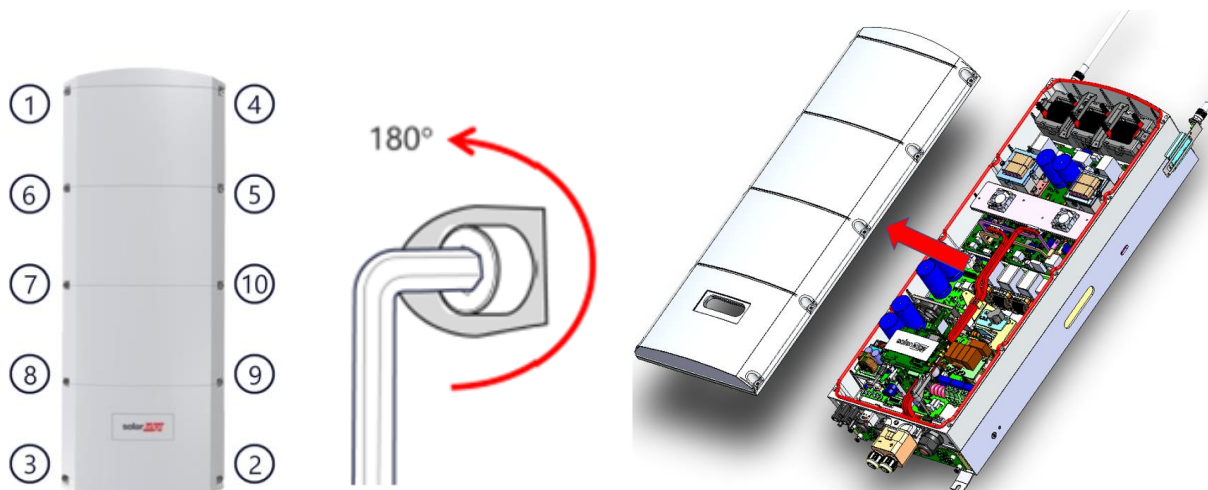


Figure 2: remove Cover

5. Keep the cover and screws for reassembly.

Removing the Damaged Single Fan

1. Locate the single fan inside the inverter.

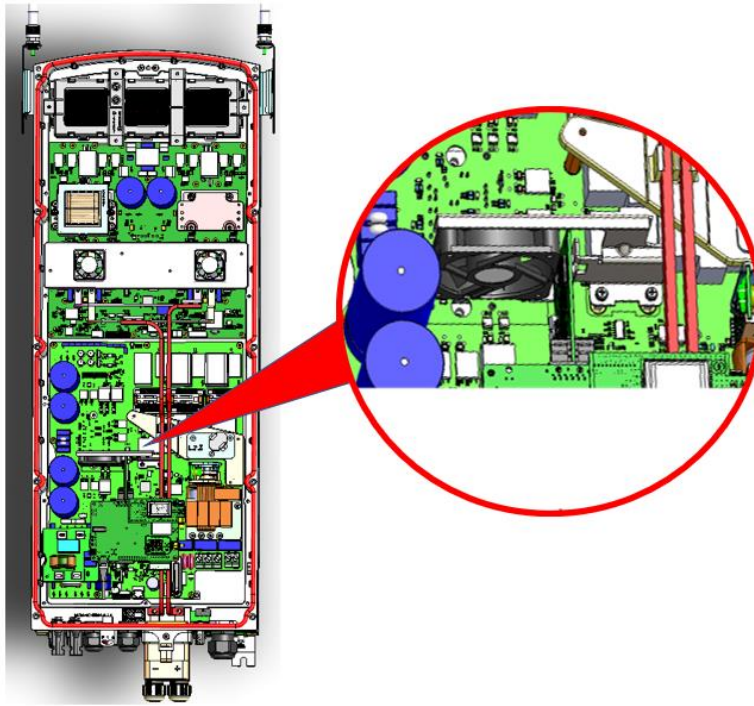


Figure 3: single fan location

2. Use a PH2 Philips screwdriver to loosen the two screws holding the Single Fan in place. Keep the screws for reassembly.

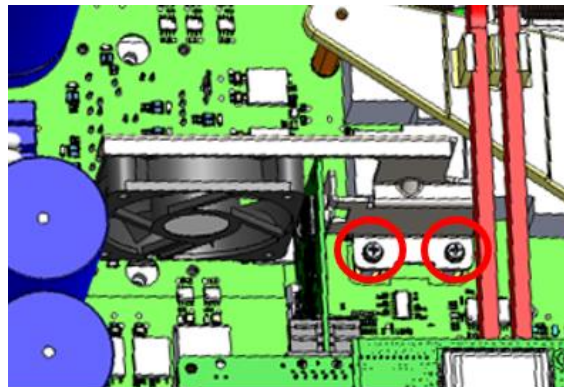


Figure 4: remove Single Fan

3. Disconnect the Single fan power cable connector from the power socket.


 **NOTE**
The cable connector is fitted with a locking mechanism. Make sure to press the lever to release the locking mechanism before trying to disconnect the connector from the socket.
Never grip the wires to remove the connector from the socket.



Figure 5: connector locking mechanism

4. Remove the Single Fan out of the inverter.

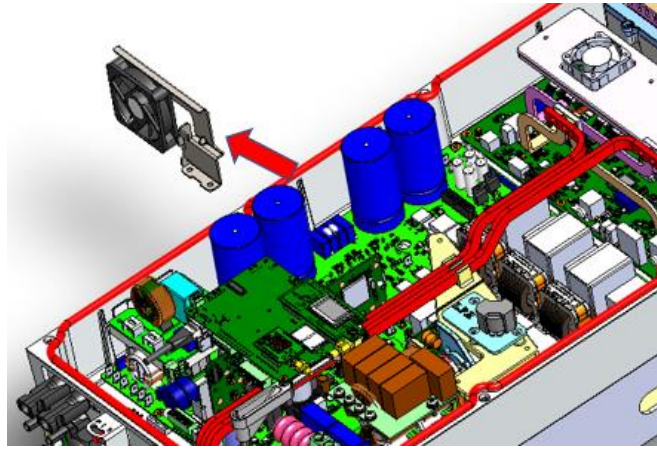


Figure 6: remove the Single Fan

5. Discard the damaged Single Fan.

Installing the Replacement Single Fan

1. Remove the new Single Fan from the packaging.
2. Place the new Single Fan into position.

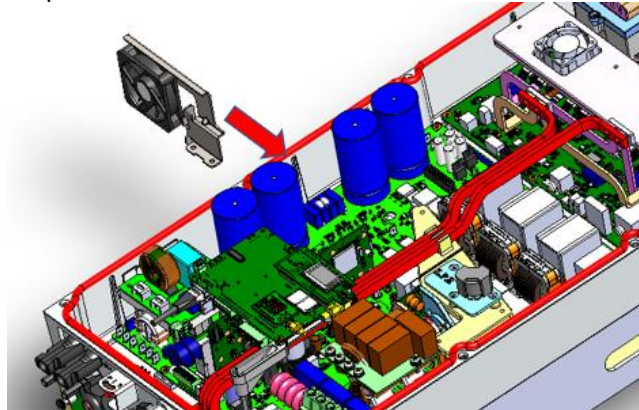


Figure 7: replace Single Fan

3. Re-connector the Single Fan power cable connector to the power socket. Make sure you hear a click. Pull the connector gently to make sure they are properly connected.
4. Insert the two screws and use a PH2 Philips screwdriver to tighten to a torque of 1.1 N*m / 9.7 lbf*in.

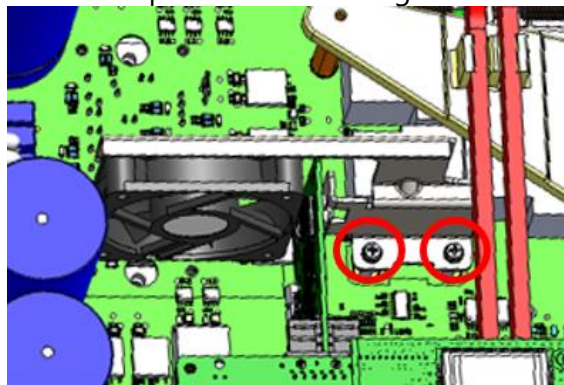


Figure 8: replace Single Fan

Remounting the Cover Assembly

1. Place the cover in position and insert the 10 screws.

2. Use a 4 mm hex bit and a torque wrench to tighten the 10 screws to a torque of 4 N*m / 35.4 lbf*in.
3. Tighten the screws in the following sequence:



Figure 9: screw tightening sequence

4. Unlock the power distribution panel and turn ON the main AC circuit breaker or connect the fuses.
5. Turn the ON/OFF/P Toggle Switch of the Home Hub 3 Ph Inverter to ON (1).



Figure 10: ON/OFF/P toggle switch ON