	ITW EAE Service & Support WORK INSTRUCTION	DOC. #: 9-274791
	TITLE: LBB MOTOR REPLACEMENT KIT # 9-274790	EFF. DATE: 4/21/2023

Change History:

REV.	DESCRIPTION OF CHANGE	DATE	ORIGINATOR
1	Initial release	06/27/2023	Dan Buysse

Version Review & Approval:

REV.	REVIEWER	TITLE	DATE

Purpose:

The original motor part number 9-008333 is obsolete. This kit is provided to facilitate the replacement of the motor in the LBB batch ovens with the new motor part number 9-411339. Please review these instructions carefully before starting. Some components have been preassembled for your convenience.

Scope:

This instruction only applies to kit part number 9-274790 when used on LBB models LBB1-23, LBB1-43, and LBB1-69 ovens.

Prerequisites:

Only qualified Electricians or Maintenance Personnel should attempt to install this upgrade.

This kit consists of:

one (1) P/N 9-411339 Motor
 one (1) P/N 9-141807 Terminal Block PHNX 5 positions
 four (4) P/N 9-071181 #10-32 Nut Hex
 one (1) P/N 9-274791 Instruction Sheet
 one (1) P/N 9-WL1538 Ground wire

Tools Required:

Flat Head Screwdriver 3 mm
 Torx Screwdriver T-15, and T-30
 1/8" Allen Wrench
 Socket set

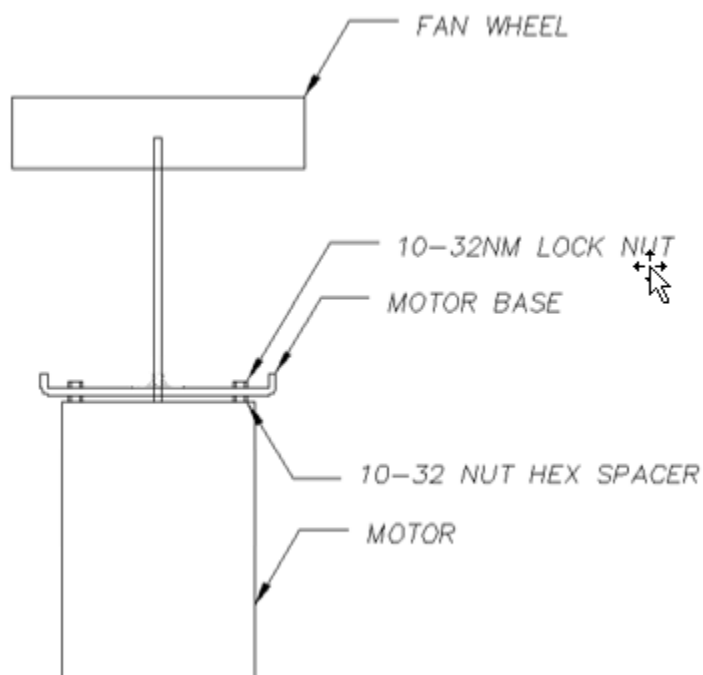
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Preparation:

- Step 1 See instruction video for mechanical steps to replacing the motor.
<https://itweae.freshdesk.com/a/solutions/articles/42000058637>

Install New Motor:

- Step 2 Thread 4 10-32 hex nut spacers on to motor mounting studs. Place the new motor on the motor base and attach it to the base with the 10-32NM lock nuts as shown below. Tighten nuts carefully and verify that the motor turns freely. Over tightening can cause the motor to bind up. Install the motor and reassemble oven per the instruction video.



Motor Wiring:

- Step 3 The 5 position connector on the end of the motor electrical cable will come partially wired. The black and blue wires will not be connected. The black and blue wires are connected differently depending on the voltage rating of the oven. For 120 volt ovens, the black wire goes to the left most terminal and the blue wire goes in the terminal between the red and orange wires. For 240 volt ovens, the blue wire goes on the left most terminal and the black wire goes in the terminal between the red and orange wires. See Table 1 for complete wiring layout when connected to the circuit board.


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Table 1

LINE VOLTAGE	MOTOR LEADS				
	1T1	1T2	1T3	1T4	1T5
120 VOLT	BLACK	WHITE	RED	BLUE	ORANGE
240 VOLT	BLUE	WHITE	RED	BLACK	ORANGE

Testing the Motor:

Step 4 Reconnect the power to the oven and turn the power switch on. The fan should be running.

Step 5 The oven is now ready for use.