Lyson Motor Kit Installation Instructions
for 4 or 12 frame extractors

Tools Required:

- One 17mm and two 13mm wrenches
- 5 and 6 mm Allen wrenches
- *8mm wrench and 3mm Allen wrench (for 12 frame model only)*
- *Electric drill and 5/16" (or 8mm) drill bit (4 frame model only)*

1. Remove set screw from gearbox to give access to larger mounting bolt (put back in gearbox when done).

2. Remove the gearbox and crank from the top bar (4 bolts). Hang on to the gearbox in case you decide to use it again.

3. Temporarily place the motor on the top bar as shown below. There are two bolts that will align with holes in the top bar. Do not install the nuts yet.

Note: for 12-frame models, you may need to move the hinges on the right side to the right to make room for the motor. Re-attach the hinges with ½ of the screws (see below).

Steps 4 – 6 for 4-frame model only.

4. Place the motor controller to the left of the gearbox, and connect the motor cable. Position as close as possible to the gearbox but not touching. Mark the hole locations with a marker.

5. Remove the gearbox and controller. Then remove the gray top bar from the extractor.

6. Copy serial number from silver sticker to the front of the bar. It will be obscured later. Drill 5/16" holes in the locations marked. Be sure to clamp the bar securely before drilling. Use a pilot drill if needed.

7. Install the gearbox and the motor controller on the top bar. This may be easiest with the bar removed from the extractor. Do not over-tighten the bolts.

8. Reinstall the top bar on the extractor. Be sure to align the gearbox and the extractor shaft. On the right side, use the 8mm nut (included) in addition to the cap nut that was already part of your extractor (the stud is too tall otherwise).

9. By hand, turn the extractor basket slowly to ensure everything is moving freely. You will feel some resistance from the gearbox. Correct any issues before plugging in and operating.

10. To operate extractor, turn knob to left (lowest speed). Then, turn the switch on to the "1" position. Gradually increase speed until the extractor spins.

Care Instructions:

1. Keep the motor and controller dry. Do NOT allow honey to drip on controller.
2. When finished extracting, **unplug the extractor controller** and carefully clean any honey off with a damp cloth. Clean the rest of the extractor as you normally would, paying special attention to keep the controller and motor dry.
3. If the LED on the controller fails to light, check that the fuse is correctly inserted in the back and check the status of the fuse. If the glass fuse appears black or the internal wire is broken, replace the fuse with a 5x20mm 5 amp fuse.