

6cc Motor Upgrade Kit

Use these instructions for the 731152 6cc Motor Upgrade Kit. The Motor Upgrade Kit is used to replace the 4cc motor in a Precision Planting 4 cc Vacuum Blower to allow it to run systems with a greater vacuum requirement. The kit does not include the blower housing and fan assembly.

Step 1

Before taking anything apart, clean the blower assembly, particularly around the motor and hydraulic connections. Use compressed air and cleaning solvent to remove all dirt and residue.

Note: A clean working area is vital when servicing hydraulic systems.

Step 2

Disconnect all hydraulic hoses going to the motor. Be sure to mark your Pressure, Return, and Case Drain lines for correct installation to new motor. Plug the lines to prevent dirt from getting into the system.

Step 3

Use a 1/2" socket to remove the seven (7) bolts around the perimeter of the blower housing. Remove the entire housing cover.



Step 4

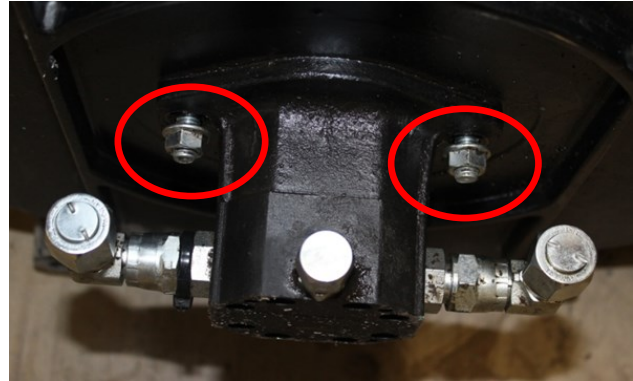
Use a 3/4" socket to remove the nut that holds the impeller onto the motor shaft.



6cc Motor Upgrade Kit

Step 5

Using a 9/16" wrench, *loosen* the nuts that hold the motor to the casing. Only loosen until two or three threads are showing on the top of the bolt.

**Step 6**

Remove the impeller from the motor. This will require the assistance of a second person. You will need:

- Hammer
- Flat Faced Punch
- Pry Bar

Be careful not to damage the motor threads. Insert the pry bar behind the impeller for full leverage. It is critical to use a flat faced punch to avoid damage to the shaft.

**Step 7**

After the impeller breaks free from the motor shaft, completely remove the 4 cc motor from the case.

Step 8

Install the new 6 cc motor (731152) onto the housing. Torque nuts to 20 ft-lbs.



6cc Motor Upgrade Kit

Step 9

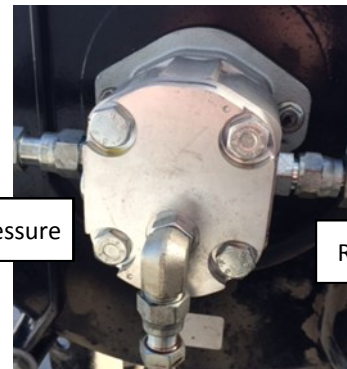
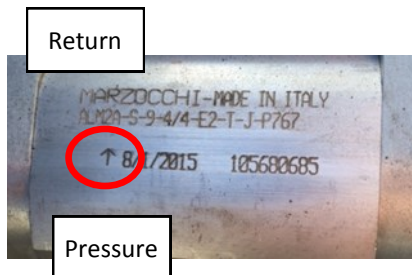
Slide the impeller onto the motor shaft and torque to 60—65 ft-lbs.

**Step 10**

Install the housing cover and tighten each of the seven (7) bolts.

Step 11

Connect hydraulic hoses. The arrow stamped on the housing of the motor assembly points to the Return. Make sure you match the line orientation.

**Step 12**

Engage hydraulics and check for leaks.