



# SERVICE INSTRUCTIONS

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## INSTRUCTIONS FOR REPLACEMENT OF MOTOR PUMP LB165 & LB200 PORTABLE FILTERS

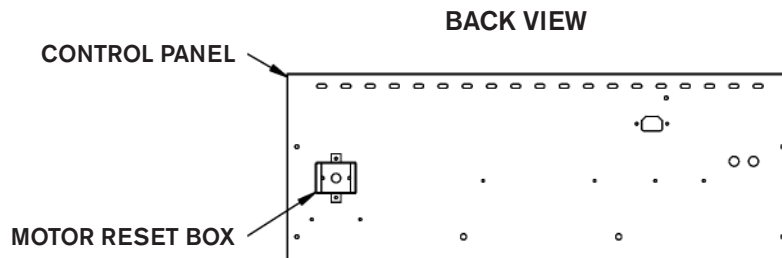
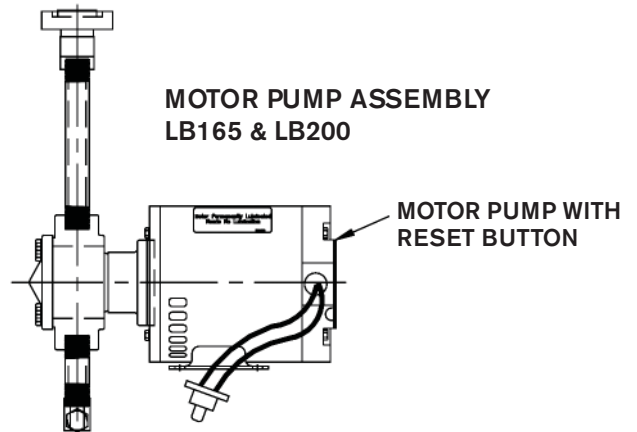
### Before attempting to remove the motor/pump assembly:

1. Oil must be removed from the filter unit. It is not necessary to prepare the filter for the next usage.
2. Disconnect the filter unit from the electrical power source.

### Instructions for the Disassembly, Modification and Assembly of LB165/LB200 Portable Filter

#### Filter Dissassembly:

1. Disconnect the hand hose assembly from the quick disconnect on the discharge port of the pump and motor.
2. Remove the handle.
3. Raise the front end of the filter and rest filter on its side over oil absorbing rags. Remove bottom cover.
4. Remove attachment screws securing front panel. Tilt back the front panel to expose the pump and motor.
5. Remove the motor reset button from the motor reset box.
6. Remove motor junction box cover and remove electrical leads from motor terminals. Tag leads as they are disconnected to assure proper reconnection during replacement of pump and motor.
7. Unscrew coupling nut securing suction tube under filter vessel from the plumbing connected to pump and motor suction port.
8. While supporting pump and motor, remove attaching nuts, washers and screws. Remove the pump and motor.  
Note orientation of plumbing elbows at pump suction port.  
Remove the elbow plumbing parts.



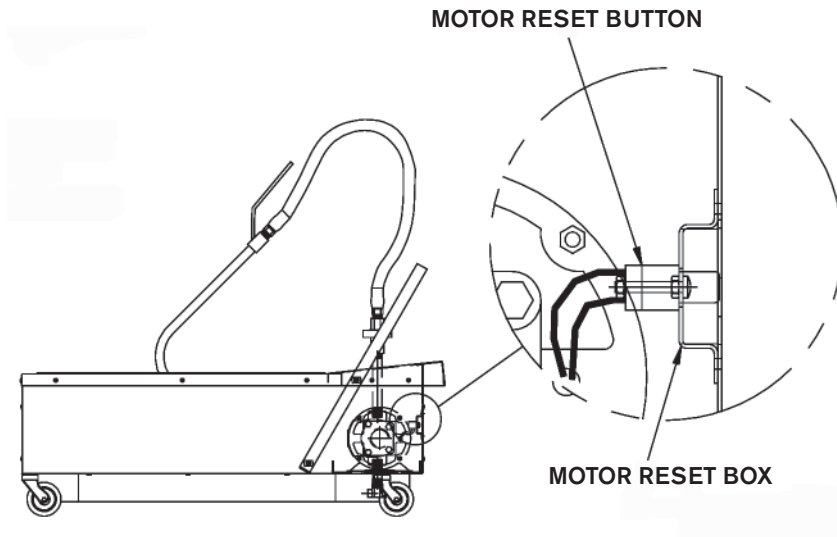
#### Cover Modification:

1. Use a #30 drill to remove the pop rivets holding the motor reset box to the front cover. Remove the old motor reset box.
2. Install new motor reset box into front panel using rivets.



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## Assembly:

1. Install removed plumbing parts into replacement pump and motor suction port. Install parts in same orientation as when removed. Use teflon tape or a good food grade pipe joint compound on male threads only.
2. Install the motor reset button into the motor reset box using (2) #6-32 screws & (4) #6-32 nuts (supplied). Refer to exploded diagram.
3. Position the pump and motor into its base and secure loosely with removed screws, washer and nut.
4. Connect tagged electrical leads to motor pump terminals. Install motor junction box cover.
5. Tighten suction tube coupling nut onto mating pump suction port fitting. Fully tighten motor pump mounting hardware.
6. Position the front panel into frame and secure into position. Install bottom cover.
7. Position the filter upright and clean up oil absorbing rags.
8. Install the handle.
9. Connect hand hose assembly to quick disconnect on discharge port.