TSURUMI PUMP
STRONGER FOR LONGER

CONVERSION GUIDE

LB-800 to LB-800A

Tools and Parts

Tools :

- 8 mm wrench/socket
- 13 mm wrench/socket
- Knife/blade to cut rubber

Parts :

- 2 x Tsurumi part #140-446-12, M5x38 Hex Bolt (w/Plain Washer)
- 1 x Tsurumi part #114-000-94, Relay Unit 230V

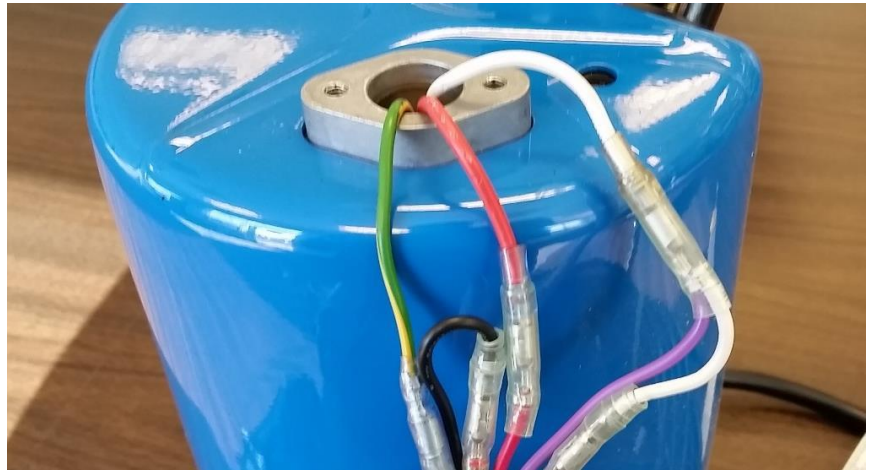
** Conversion needs to be performed by a certified electrician only.*

Procedure

1. Unscrew the two bolts from the cable entrance and the two bolts from the handle

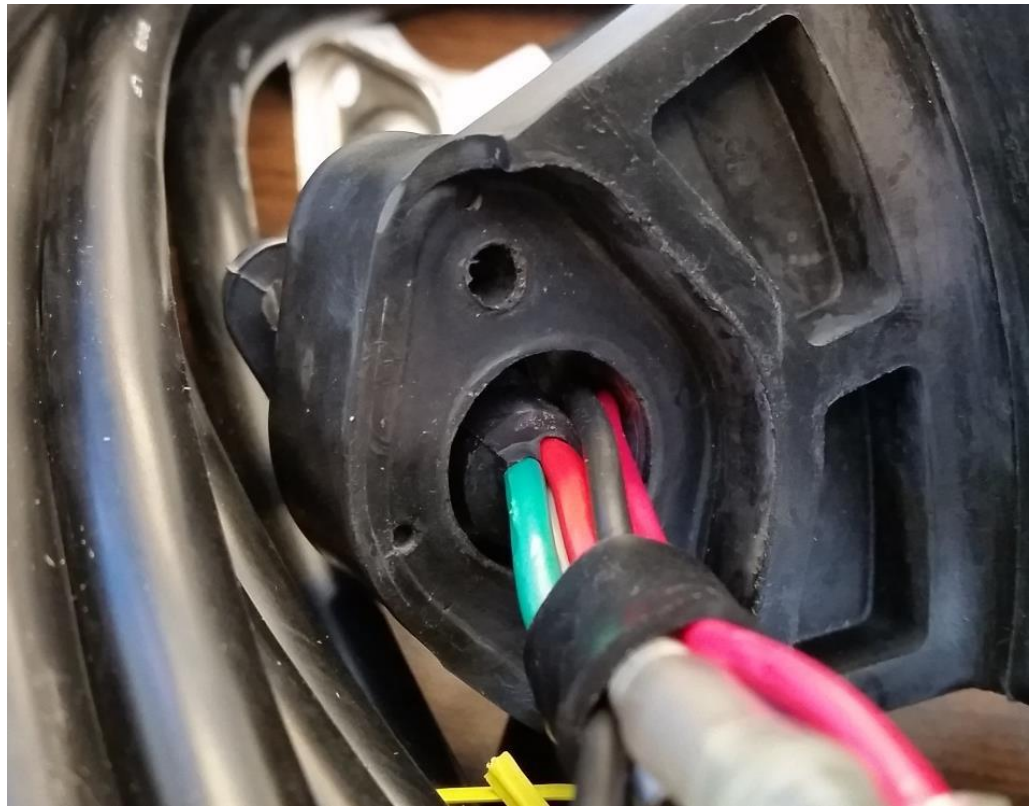
2. Disconnect the green, red, and white leads from the pump to the cable

3. Bottom of the cable gland should look “D shaped”



Procedure

4. Pull the cable gland through the relay unit so the flat part rests against the wires from the relay unit.

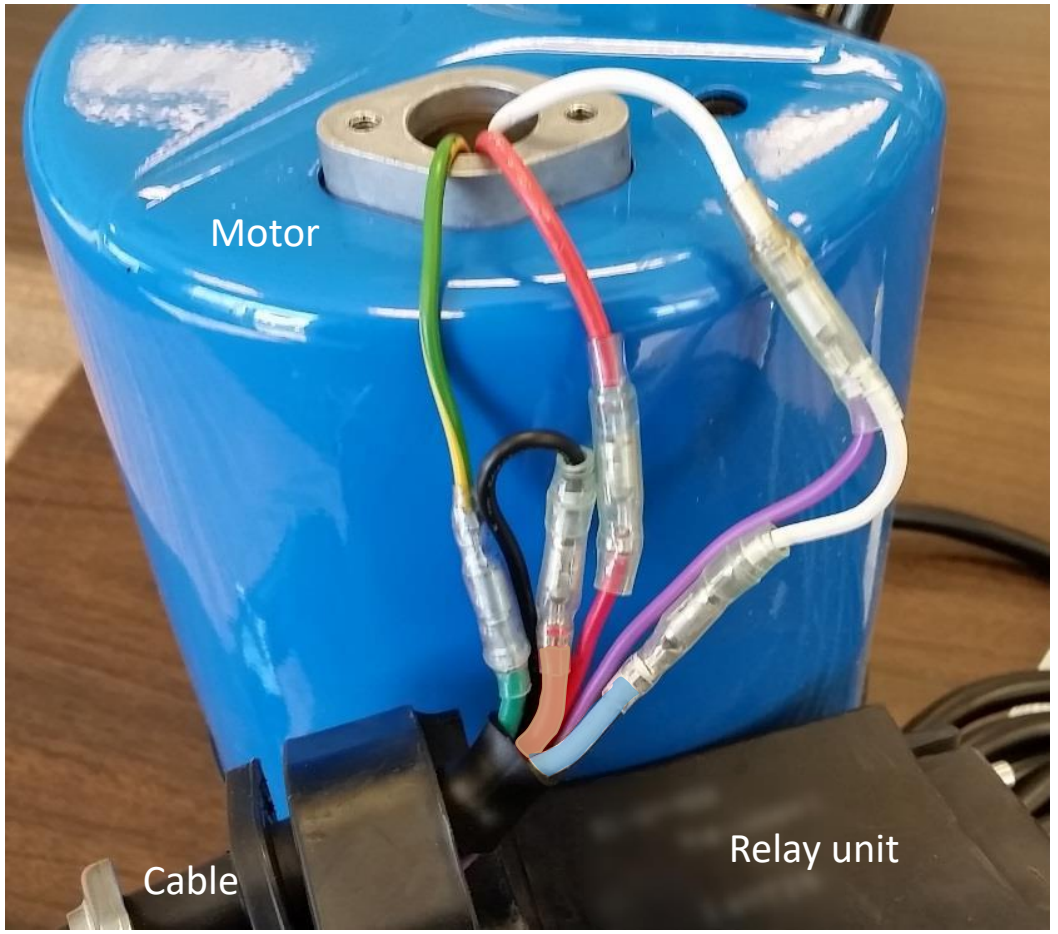


Procedure

5. Connect the cable wires of Cable, Relay unit, and the Motor.

- Connect the BROWN wire from cable to BLACK wire on relay unit
- Connect the BLUE wire from cable to WHITE wire on relay unit
- Connect GREEN/YELLOW wire from cable to GREEN wire on motor
- Connect RED wire from relay unit to RED wire on motor
- Connect PURPLE wire from relay unit to WHITE wire on motor

These cable connections are for LB-800A.
(for LB-480A, please refer to the electric diagram in the last page)



Procedure

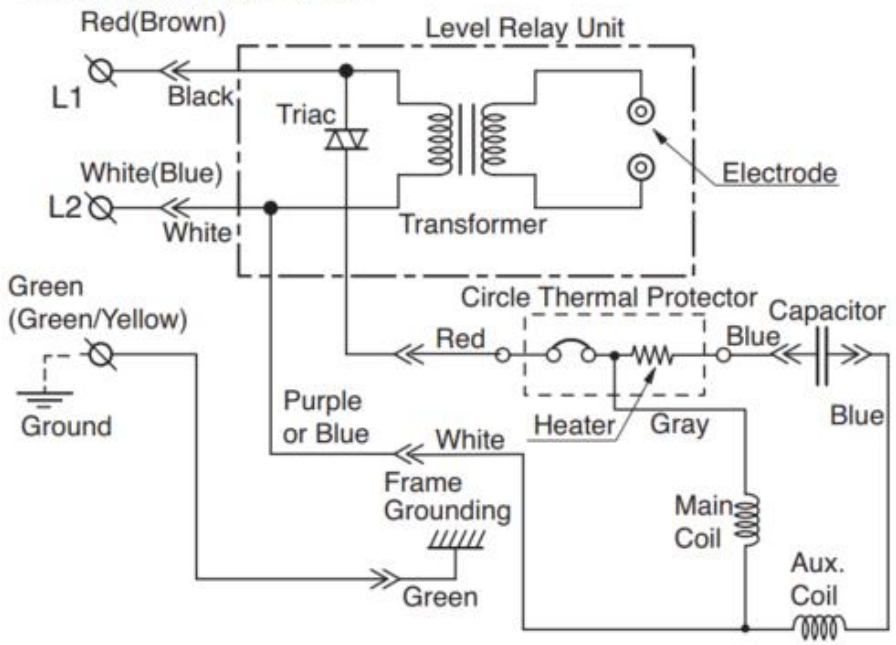
6. Place the connected cable wires back into the outer cover.
7. Screw the longer M5x38 bolts onto the cable entrance.
8. Fix the cable to the handle with cable clip.

Electric Circuit Diagrams

■Automatic Operation Circuit (for electrode type)

LB-800A

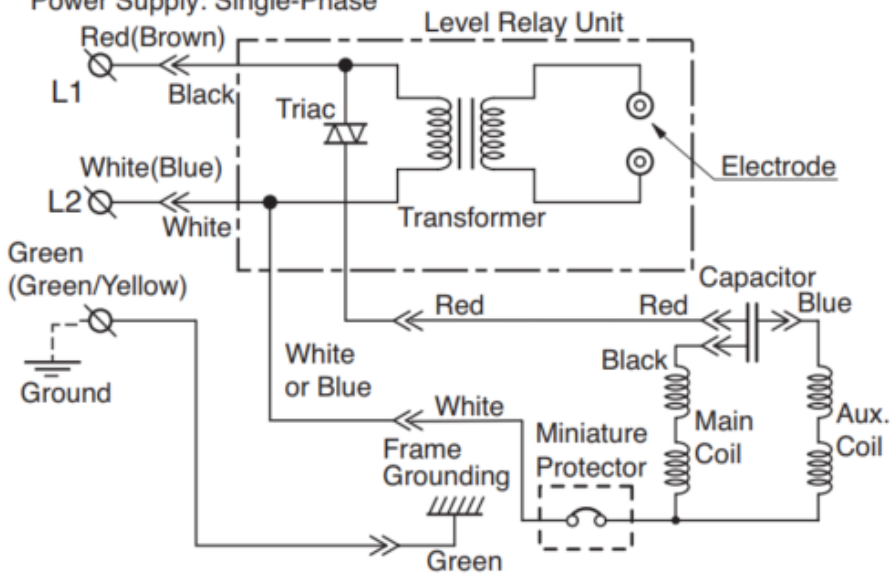
Power Supply: Single-Phase



■Automatic Operation Circuit (Level Relay Uint)

LB-480A

Power Supply: Single-Phase



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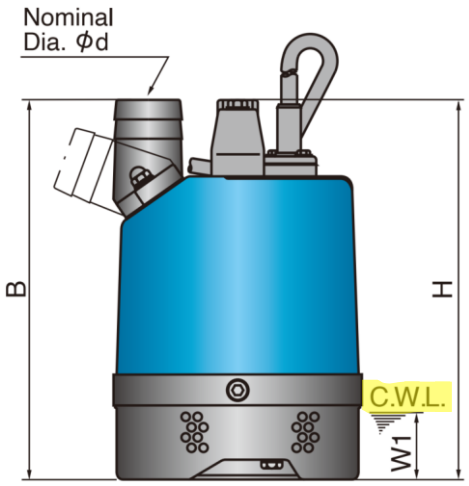
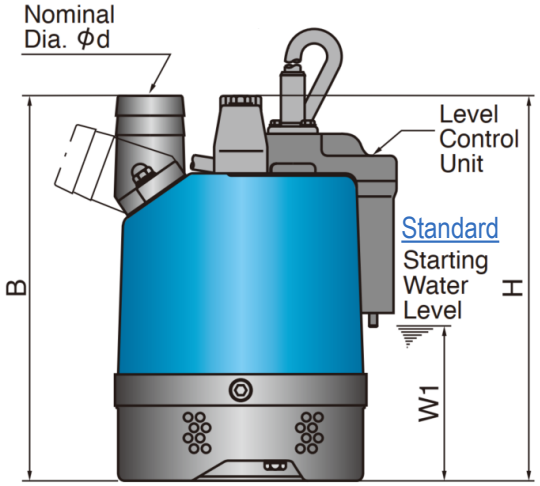
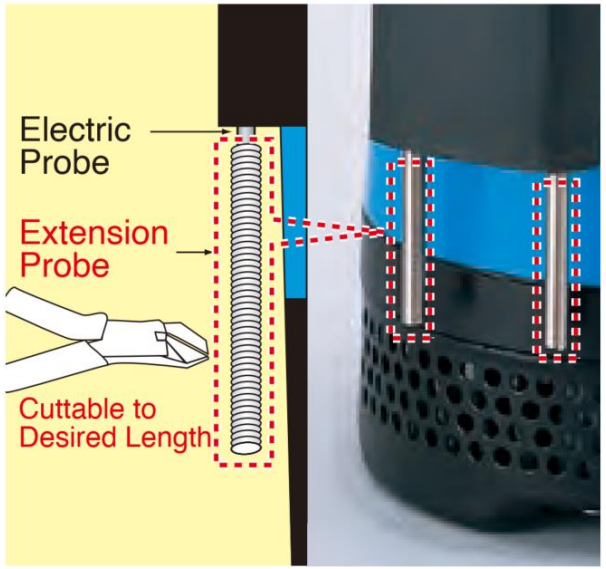
Optional Accessory

It is possible to set a lower starting water level by using an extension probe (optional accessory).

The starting water level is adjustable because the extension probe can be cut to the desired length as it is made of coil spring.

✓ *Better for the pump not to operate in slurping condition. Make sure the length of extension probe not to make the pump in slurping condition caused by too shallow water level. (up to C.W.L. = Continuous Water Level)*