

# WATER INNOVATION CHALLENGE

## PRACTICAL TASKS

### COMPONENT 3/3: SOLAR PUMPING SYSTEM

#### TROUBLE SHOOTING GUIDE



2014 WATER INNOVATION CHALLENGE

# TOOLS LIST



1.

2.

3.

4.

5.

6.

1. **VOLTIMETER**

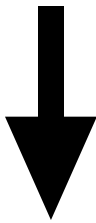
2. **LINESMANS**

3. **FLAT HEAD**

4. **SCREWDRIVER**

5. **TIN SNIPS**

6. **DRILL**

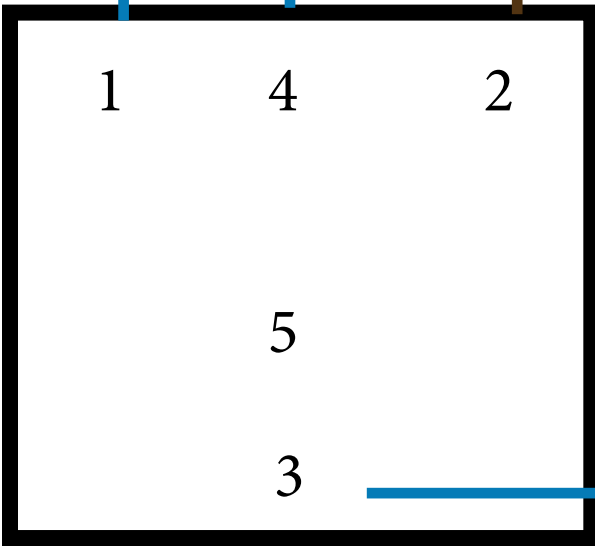




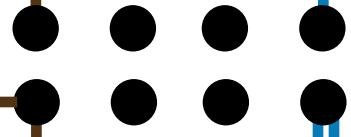
FLOAT

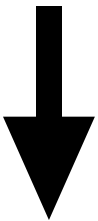
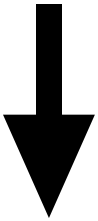
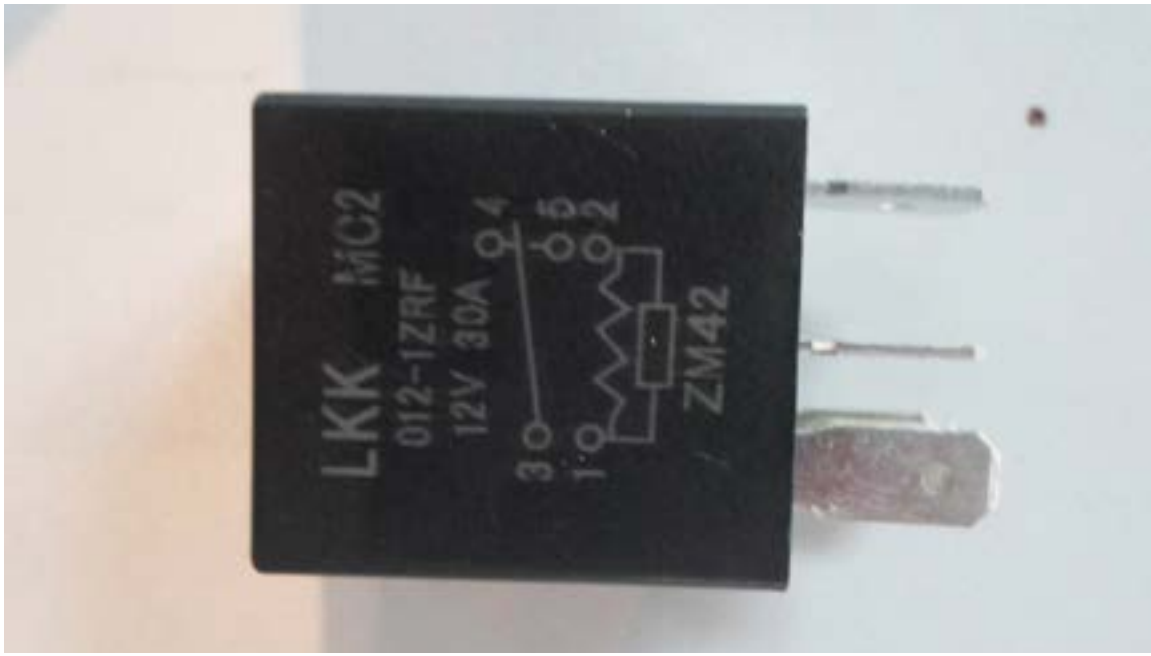


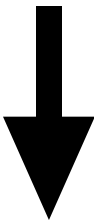
SOLAR



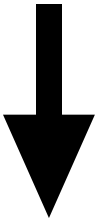
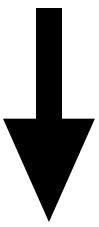
PUMP



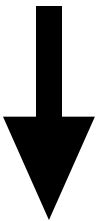


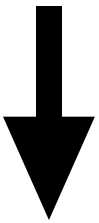
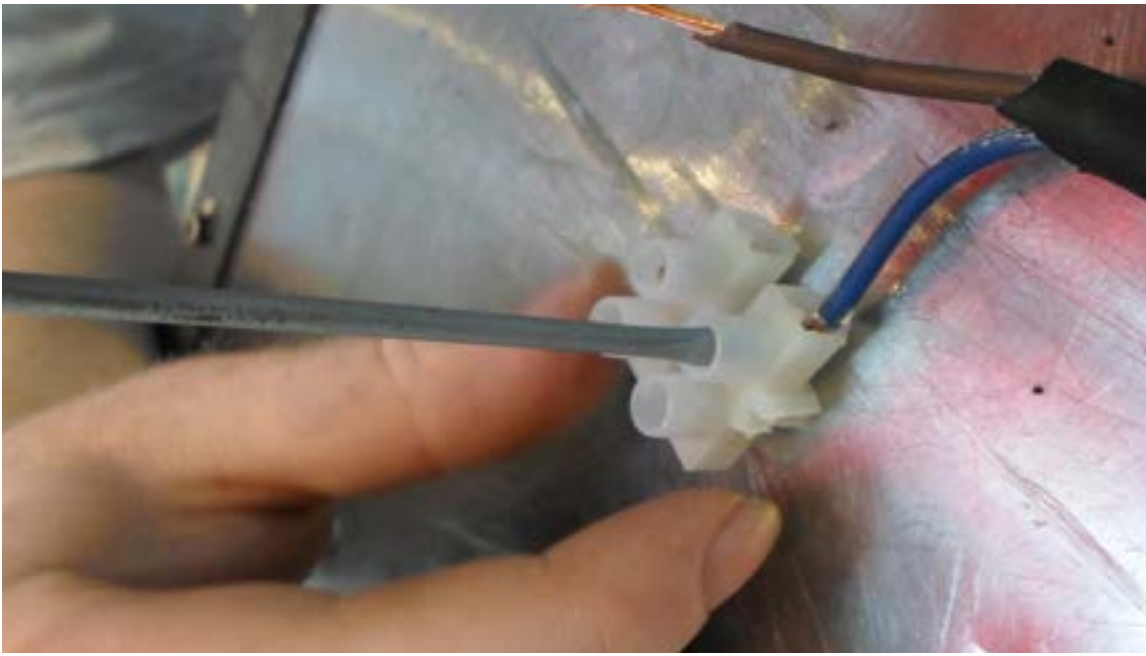
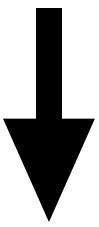




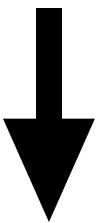


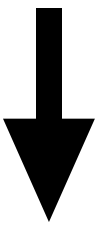
Solar panel



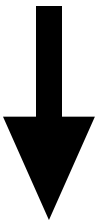
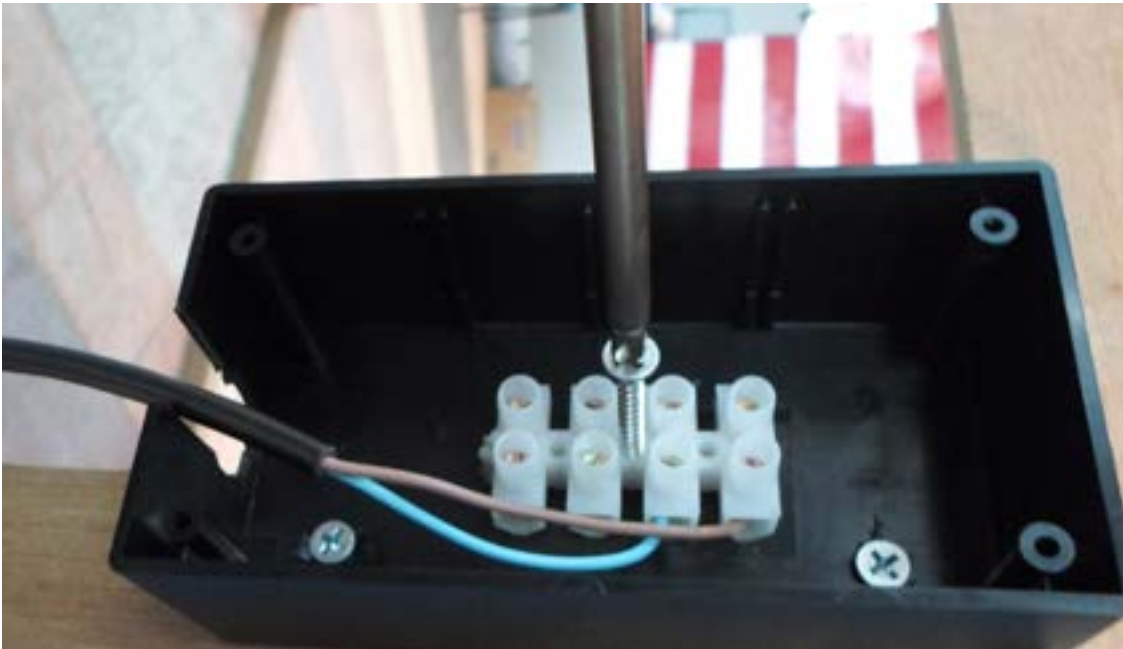
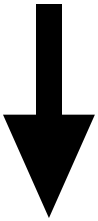


Do not over tighten

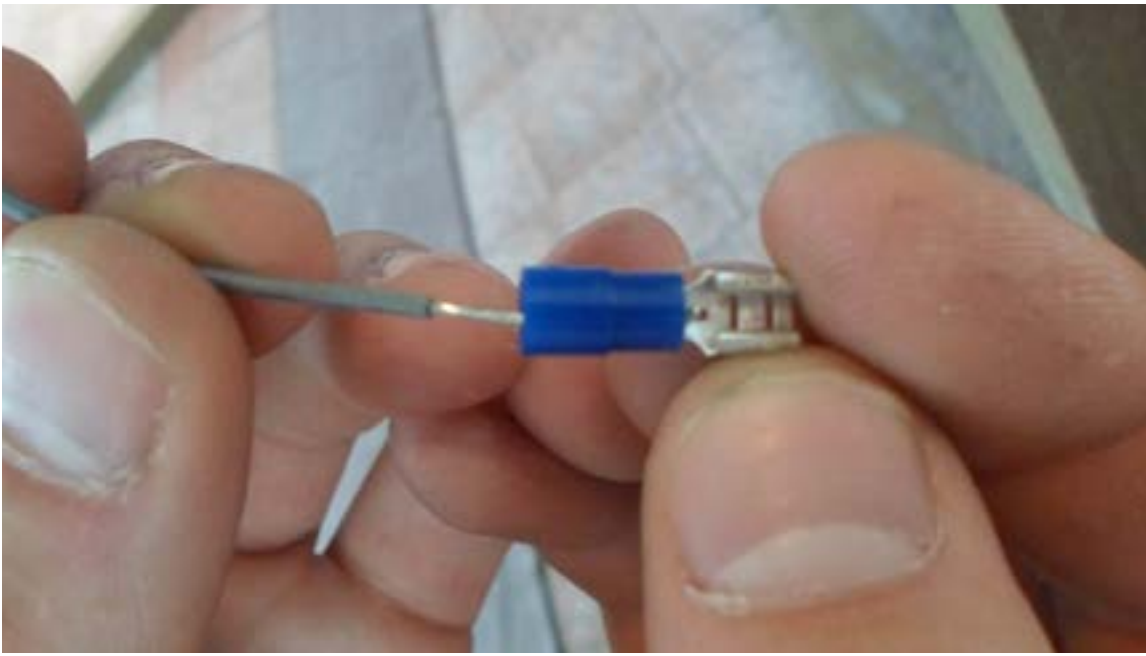
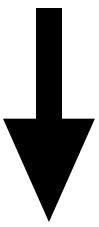




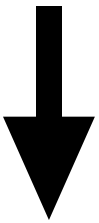
Water tight connections



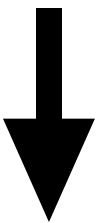


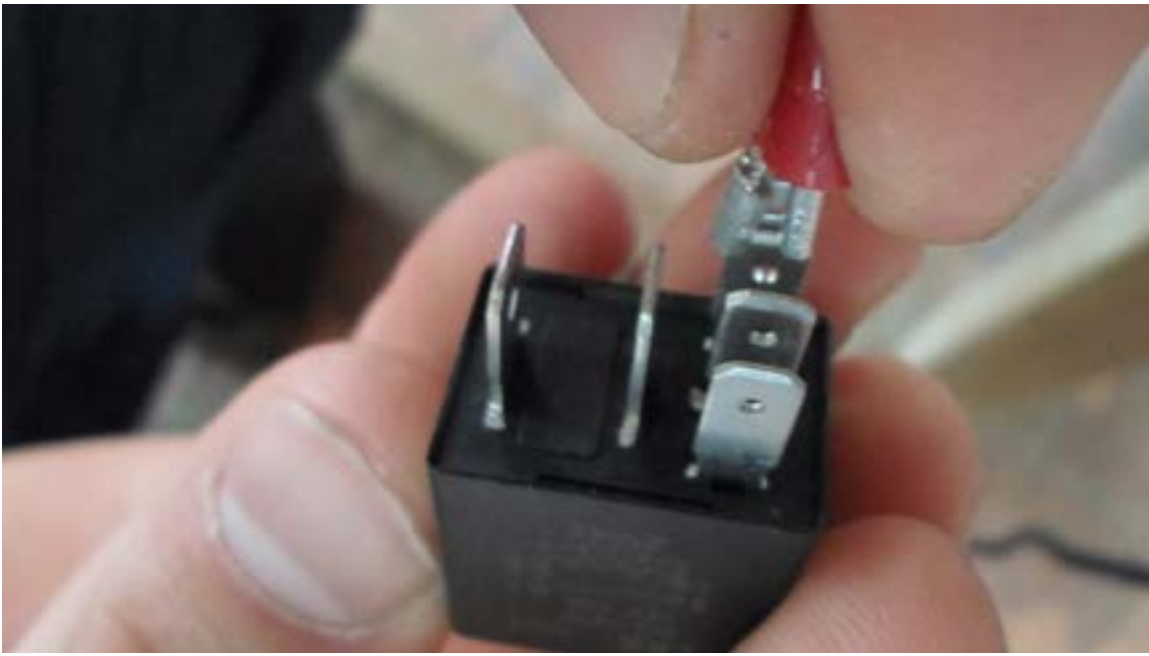
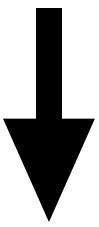


Remove rubber coating

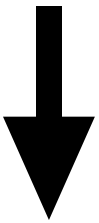
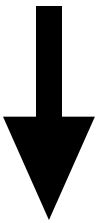


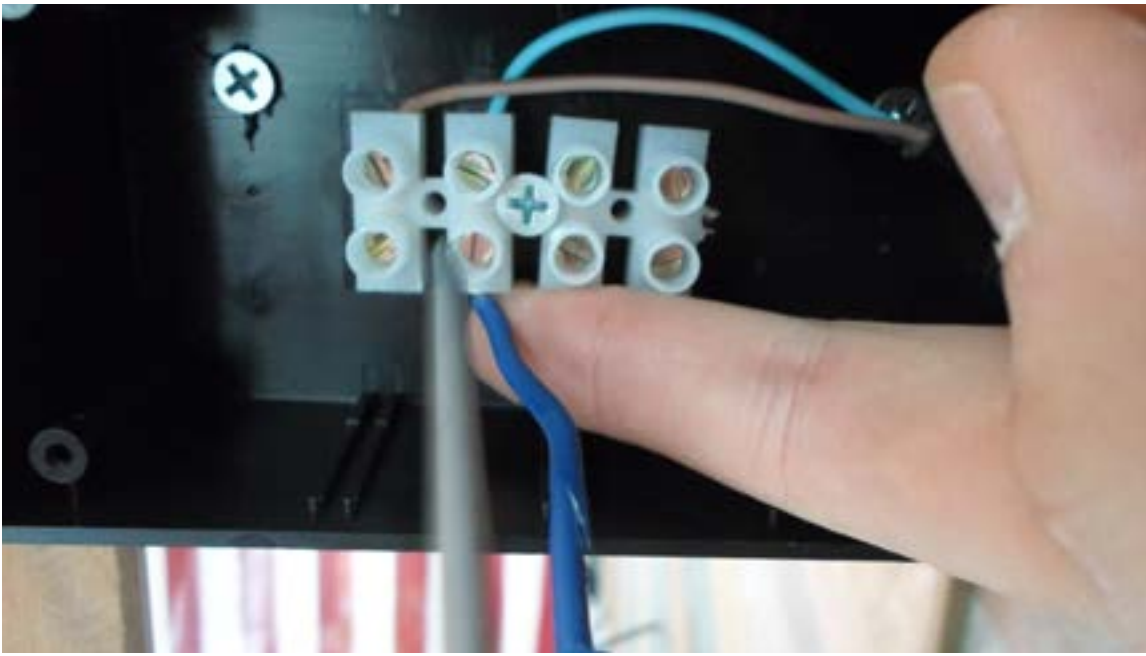
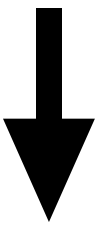
Crimp tight



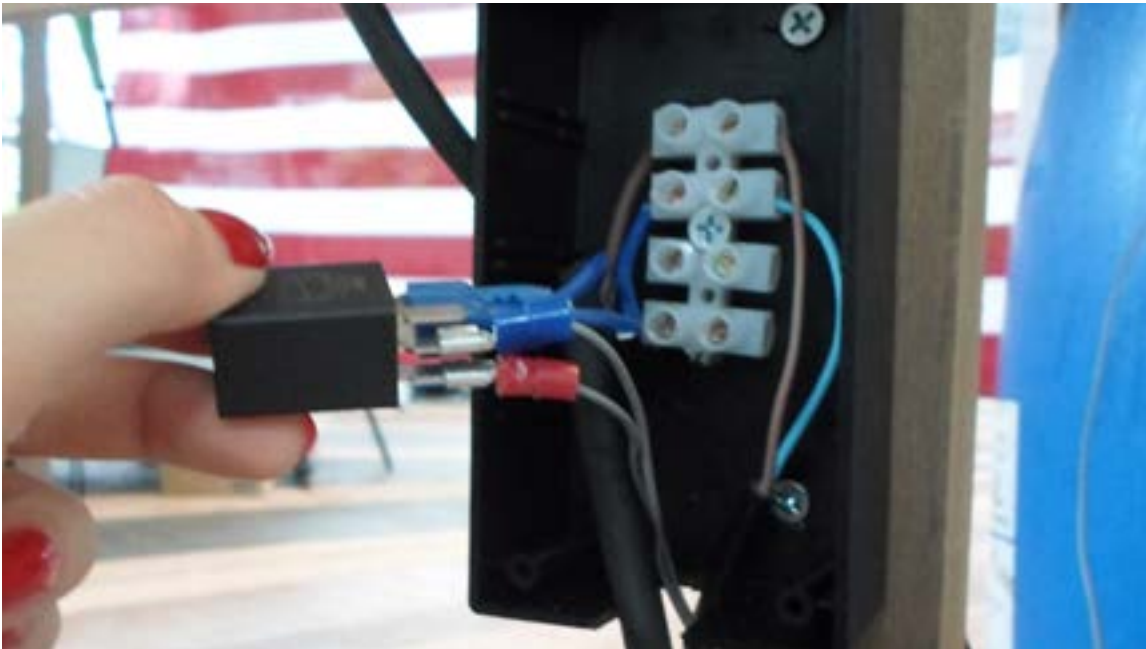
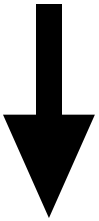


Push firmly

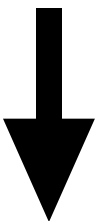


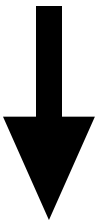
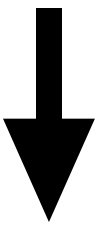


Do not over tighten

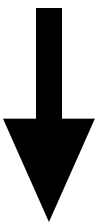
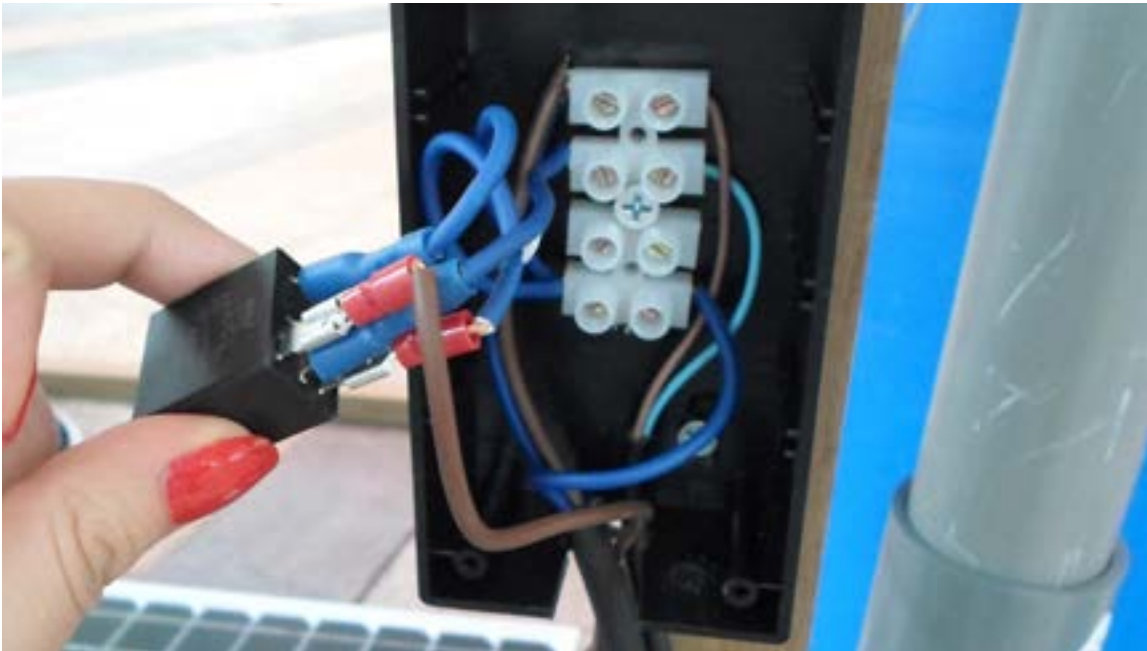


Push wires into slot

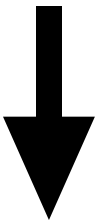
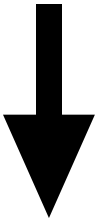
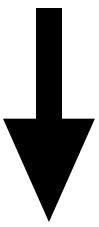




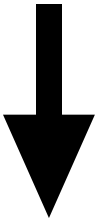
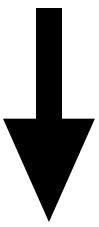
No bare wires touching



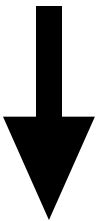


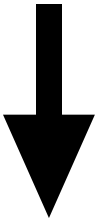
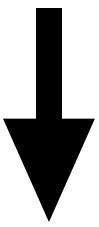




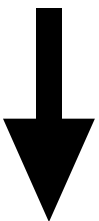


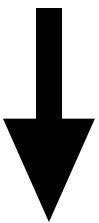
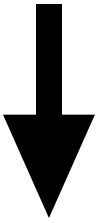
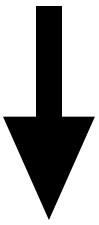
Seal bottom



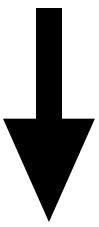


Push completley

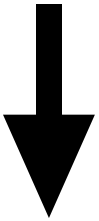








Push firmly



Complete

