

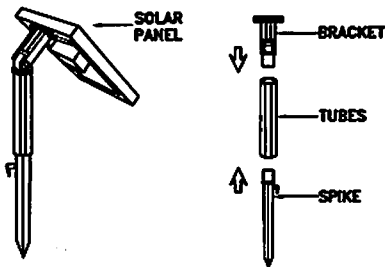
MODEL: SLP107E
300LPH SOLAR PUMP KIT
ASSEMBLY INSTRUCTIONS
READ AND SAVE THESE INSTRUCTIONS

UNPACK THE PACKAGE
 YOU SHOULD HAVE RECEIVED LISTED PARTS:

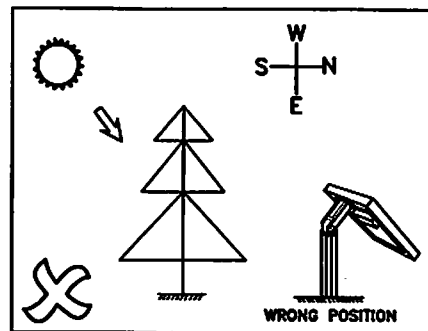
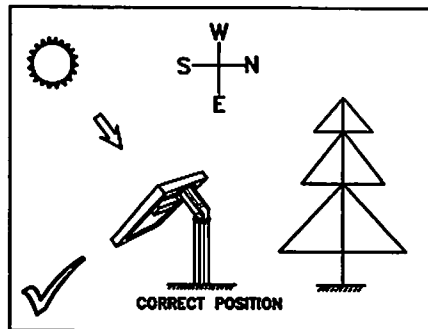
- 1PC PUMP WITH 5M CABLE,
- 1PC LED LIGHT RING WITH 5M CABLE,
- 1PC BATTERY BOX,
- 1PC SOLAR PANEL WITH 2M CABLE,
- 1PC SOLAR PANEL BRACKET,
- 1PC EXTENSION TUBE
- 1PC GROUND SPIKE.
- 1PC FOUNTAIN NOZZLES

TO PROTECT THE PRODUCT, PLACE ALL ON A SOFT SURFACE BEFORE ASSEMBLY.

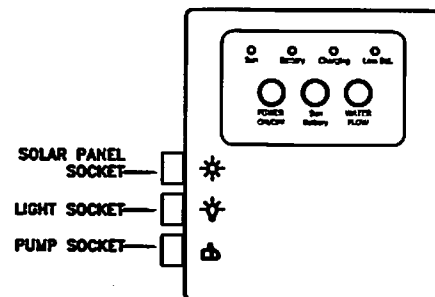
1. JOIN THE BRACKET, TUBE AND SPIKE TOGETHER AND THEN ATTACH THE SOLAR PANEL TO THE BRACKET. SLIDE THE HOLDING BRACKET INTO THE INSIDE LIP OF THE TOP HALF OF THE SOLAR PANEL FRAME. THE HOLDING BRACKET HOLDS THE WEIGHT OF THE SOLAR PANEL. THE DIRECTION TOWARDS THE SUNLIGHT CAN BE ADJUSTED WITH THE WINGNUT. SEE DIAGRAM.



2. INSERT THE SPIKE INTO THE GROUND. POSITION THE SOLAR PANEL TO FACE SOUTH (In Northern Hemisphere) AS MUCH AS POSSIBLE TO MAKE THE MOST OF THE DAYLIGHT HOURS. IT IS IMPORTANT TO ANGLE THE SOLAR PANEL TO FACE SUN WHEN SUN IS AT ITS HIGHEST POINT. ENSURE THE SOLAR PANEL IS NOT SHADED BY TREES, SHRUBS OR BUILDINGS.



3. CONNECT THE SOLAR PANEL, PUMP, LED LIGHT ON THE BATTERY BOX (SEE DIAGRAM BELOW):

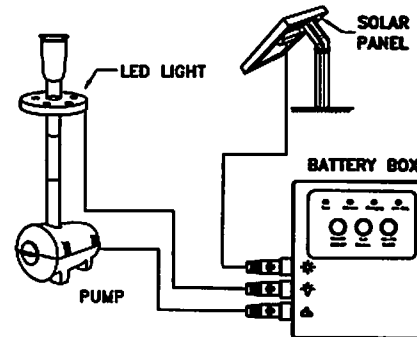


IMPORTANT!

SLIGHTLY TWIST THE CONNECTORS WHEN PUSHING, MAKE SURE THEIR RUBBER SEALS FULLY IN GROOVES

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4. YOUR SOLAR PUMP KIT SHOULD LOOK LIKE THIS AFTER ASSEMBLY:



5. OPERATION

[Sun] LIGHT ON (GREEN)-SUN MODE: THE PUMP IS RUNNING BY SOLAR POWER.

[Battery] LIGHT ON (GREEN)-BATTERY MODE: THE PUMP IS RUNNING BY BATTERY POWER.

[Charging] LIGHT ON (YELLOW): THE BATTERY IS CHARGING.

[Low Bat.] LIGHT FLASHING (RED)- LOW BATTERY POWER: SYSTEM WILL SHUT OFF THE PUMP AUTOMATICALLY.

5.1 PRESS [POWER ON/OFF] BUTTON TO OPEN THE SYSTEM. PUMP WILL START UP BY DEFAULT SUN MODE, [Sun] LIGHT ON.

5.2 PRESS [Sun/Battery] BUTTON TO SELECT PUMP WORKING MODES AS NEEDED. [Sun] LIGHT ON AT SUN MODE; [Battery] LIGHT ON AT BATTERY MODE.

5.3 PRESS [WATER FLOW] BUTTON: TO ADJUST PUMP WATER FLOW, THERE ARE 4 DIFFERENT FLOW RATES FOR SELECTION.

5.4 NOTE: THE LED LIGHT ONLY WORK WHEN DAY GOES DARK.

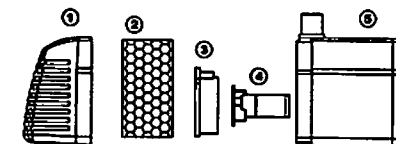
5.5 WHEN BATTERY POWER IS LOW, THE SYSTEM WILL AUTOMATICALLY SHUT OFF THE PUMP TO PROTECT THE BATTERY, [Low Bat.] LIGHT WILL BE ON IN THIS CASE. THE PUMP CAN NOT WORK UNTIL THE BATTERY IS RE-CHARGED, [Low Bat.] LIGHT OFF. THE RE-CHARGING TIME SHOULD DEPEND ON SUNLIGHT CONDITIONS.

6. PERFORMANCE OF PUMP

THE PERFORMANCE OF THE PUMP DEPENDS ON THE ORIENTATION OF THE SOLAR PANELS TOWARD THE SUN AND THE SUNLIGHT CONDITION. THE MAX. DATA OBTAINED UNDER OPTIMAL CONDITIONS. A FEATURE IN THE SHADE OR ON CLOUDY DAYS CAN NOT BE GUARANTEED. FOR THIS MODEL WITH BATTERY, THE PERFORMANCE OF PUMP ALSO DEPEND ON BATTERY POWER LEVEL, PUMP CAN NOT WORK IF BATTERY POWER IS USED OUT.

7. MAINTENANCE OF PUMP

IF YOU FIND THE PUMP START LOSING POWER OR STOP WORKING, PLEASE CLEAN THE PUMP FILTER AND IMPELLER WITH CLEAN WATER.



- ① FRONT CASE
- ② FILTER
- ③ IMPELLER COVER
- ④ IMPELLER
- ⑤ PUMP

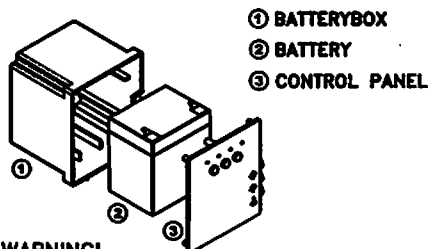
8. BATTERY INFORMATION

RECHARGABLE BATTERY BECOMES LESS EFFICIENT WITH REPEATED CHARGE AND DISCHARGE CYCLES. THE CAPACITY OF THE BATTERY MAY ALSO REDUCE OVER TIME AND YOU MAY NOT ACHIEVE THE FULL HOURS OPERATION. IF YOU FIND THAT THE BATTERY APPEAR LESS EFFICIENT TRY TO BOOST CHARGE IT. TO DO THIS LEAVE OFF FOR 2 TO 3 SUNNY DAYS TO ALLOW THE MAXIMUM CHARGE TO THE BATTERY. WE SUGGEST TO DO THIS OCCASIONALLY TO HELP PROLONG BATTERY LIFE. IF AFTER THIS BOOST CHARGE YOUR BATTERY STILL DOES NOT PERFORM TO EXPECTATIONS YOU SHOULD REPLACE IT WITH A NEW BATTERY.

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9. BATTERY REPLACEMENT

AFTER USED FOR 12 TO 18 MONTHS, THE BATTERY HAVE REACHED IT'S SERVICE LIFE, YOU SHOULD REPLACE THE BATTERY. UNSCREW THE BATTERY BOX COVER, REPLACE WITH A NEW BATTERY.



WARNING!

WHEN YOU REPLACE THE BATTERY, MAKE SURE YOU CONNECT THE BATTERY WITH CONTROL PANEL CORRECTLY: RED LEAD TO BATTERY ⊕ . BLACK LEAD TO BATTERY ⊖ .

DISPOSE OF OLD BATTERY ACCORDING TO LOCAL REGULATIONS, RECYCLE WHEN POSSIBLE.

10. PROBLEM SHOOTING

CHECK SOLAR PANEL, PUMP, LED LIGHT CONNECTED WELL.

CHECK SOLAR PANEL CORRECTLY POSITIONED IN SUNNY PLACE, ENSURE THE SOLAR PANEL NOT SHADED BY TREES, SHRUBS OR BUILDINGS.

CHECK IF [Low Bat.] LIGHT ON, THAT MEANS LOW BATTERY, LEAVE BATTERY CHARGING FOR 1 OR 2 SUNNY DAYS.

TIPS: IF YOU WANT TO CHARGE THE BATTERY ONLY, BUT DON'T WANT PUMP RUNNING AT THE SAME TIME. - PUSH THE "POWER ON/OFF" BUTTON TO TURN OFF ALL LIGHTS, THEN HOLD DOWN THE "POWER ON/OFF" BUTTON FOR 5 SECONDS UNTIL YOU SEE [Sun] LIGHT AND [Battery] LIGHT ARE FLASHING. NOW YOU CAN CHARGE BATTERY ONLY, PUMP NOT RUNNING.

CHECK WATER LEVEL, MAKE SURE THE PUMP IS FULLY SUBMERGED.

CHECK THE FOUNTAIN TUBING FOR KINKS AND OBSTRUCTIONS.

CHECK THE PUMP IMPELLER BLOCKED BY DEBRIS

CHECK THE PUMP MAY BE "AIR LOCKED", TURN ON/OFF THE PUMP SEVERAL TIMES TO CLEAR ANY AIR THAT MAY HAVE BEEN TRAPPED.

11. TECHNICAL DATE

MAX. PUMP CAPACITY: 300 LPH
MAX. PUMP HEIGHT: 120 CM
WORKING VOLTAGE: DC7.5V -DC12V
WORKING POWER: 1.0-2.6W
PROTECTION GRADE OF PUMP: IP68

SOLAR PANEL: 3W-8V-0.375A
SOLAR PANEL SIZE: 205X190X18 MM
PROTECTION GRADE OF PANEL: IP44

BATTERY: LEAD ACID 6V/4AH
PROTECTION GRADE OF BATTERY BOX: IP44
RECOMMEND TO ADD A WATER PROOF COVER TO AVOID ANY POSSIBLE WATER PROBLEM

LED LIGHT WORKING VOLTAGE: DC6V
MAX. WORKING POWER: 0.12W
PROTECTION GRADE OF LED LIGHT RING: IP68

12. WINTER PROTECT

INDOOR STORAGE IS RECOMMENDED FOR THE WINTER IN HARSH CLIMATES.

IN ORDER TO KEEP THE BATTERY HEALTHY DURING LONG TIME STORAGE WE RECOMMEND TO FULL CHARGE THE BATTERY BEFORE WINTER STORAGE.