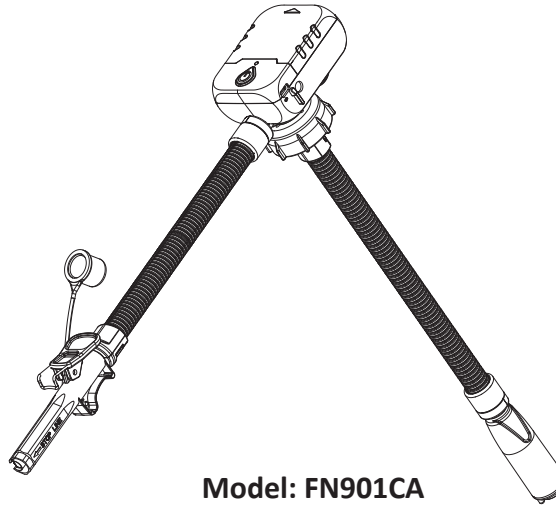
# Owner's Manual & Safety Instructions

**MULTI FUNCTION LIQUID TRANSFER PUMP**



**Model: FN901CA**

Save this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures

**DANGER**

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

**WARNING**

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

**CAUTION**

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

**NOTICE**

Addresses practices not related to personal injury.

# Specifications:

| | |
|---|---|
| **Power** | Requires 4 AA Batteries (NOT Included);<br>Use TYPE-C data cable to connect portable power supply with USB port or charger with USB port.<br>DC 12V (By DC 12V Cable); Car Cigarette lighter (Above Accessories Depending on the configuration of different models) |
| **Max. Flow Rate** | 3.8 GPM/14.4 LPM |
| **Auto-Stop** | Built-in Auto-Stop System |
| **Applications** | Gasoline• Diesel• Kerosene• Diesel Exhaust Fluid (DEF) for vehicles• Antifreeze • Windshield Washer Fluid• Water (non-potable)<br>Note: Not suitable for corrosive chemicals and viscous liquids such as engine oil, lubricating oil, etc. |
| **Operating Temperature** | 41°F-113°F (5°C-45°C) |

## IMPORTANT SAFETY INFORMATION

⚠ WARNING Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in serious injury. Save all warnings and instructions for future reference.

1. Do not use with corrosive liquids. Not for use with drinking water.
2. When pumping gasoline and flammable liquids, be alert to possible explosion hazard. Flammable fluid fumes and gasoline vapors can be an explosive hazard. Avoid sparks and use only with adequate ventilation.
3. Wear ANSI-approved safety goggles and heavy-duty, chemical resistant work gloves during use.
4. This product is not a toy. Do not allow children to play with or near this item.
5. Use as intended only. Only use pump for transferring gasoline, diesel, kerosene, diesel exhaust fluid (DEF), antifreeze, windshield washer fluid, non-potable water, and other non -corrosive and non-viscous liquids.
6. Do not use if Pump is hot.
7. Verify that all connections are tight before use to eliminate leaking.
8. Do not pump waste oil, dirty oil, or deteriorated/expired oil (which may cause our product to malfunction).
9. Do not use near open flame or heat sources.
10. Do not turn Pump upside down after use.
11. Do not subject the pump to severe vibration. Remove batteries when not in use.
12. Know and obey city and state laws for proper disposal of oil and gasoline. Dispose of properly in accordance with all local laws and regulations.
13. Follow all guidelines regarding materials being pumped, including SDS instructions and EPA regulations.
14. Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries. Position batteries in proper polarity. Do not use swollen or leaking batteries.
15. Do not operate when tired or when under the influence of drugs or medication.
16. Inspect before every use; do not use if parts are loose or damaged.
17. Do not use in diluents, solvents, hot liquids, acetone, benzene, Creosol, Ethyl, Phenol, Methyl, Ethyl concentrated caustic soda liquid, nitric acid, hydrochloric acid, sulfuric acid, etc.
18. Maintain product labels and nameplates. These carry important information.

## SAVE THESE INSTRUCTIONS.

## OPERATING INSTRUCTIONS

Read the ENTIRE WARNING section at the beginning of this manual, including all text under subheadings, before setting up or using this product.

### HOW TO OPEN THE BATTERY COVER

Push and slide the cover off along the arrow direction as shown in Fig. 1

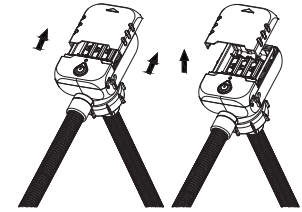


Fig. 1

### HOW TO PLACE THE BATTERIES

Insert 4 AA batteries according to the + and – signs.
The direction of the batteries is indicated in Fig. 2

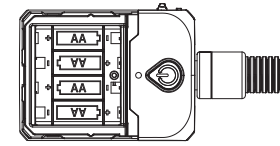



Fig. 2

**NOTICE:**
***Replace 4 batteries at the same time.**
***Use the same brand/type of batteries.**

### WHEN TO REPLACE THE BATTERIES

- **Motor does not operate, even after pressing ON switch or transfer rate becomes slower than in normal operation**
- **Batteries can begin to discharge if they are stored for a long period of time. Check the expiration dates of batteries**

**NOTICE:**
**Unplug the pump before the liquid is completely drained.**
**Do not run unit dry**

### POWER SOURCE SELECTION

**Type-C/ DC Selector Switch:**
Rotate lever down for Type-C, sideways for DC.
Expose port fully before inserting or removing power cable.

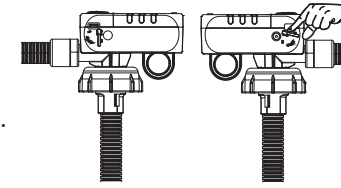


Fig.3

**CAUTION:**
**** The rotating shield must remain intact at all times.**
**** To prevent equipment damage, never connect both TYPE-C and DC power sources simultaneously.**

## HOW TO USE USB POWER

Plug the Type C end into the input end of the pump body, and plug the USB end into the input power supply (either an AC to DC adapter or a power bank) as show in Fig.4

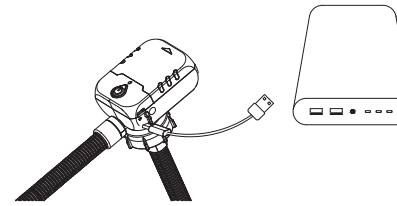


Fig.4

## NOTE:

**The input power supply must be DC5V,>2A, otherwise the pump will not start or work unstable.**

When the TYPE-C cable is connected during battery use, press the ON key again to start the cable. During the process of using TYPE-C for power supply, when a battery is connected, the TYPE-C supply will be prioritized. If you want to switch back to battery power, you will need to unplug the TYPE-C and then press the power button to turn on the device again.

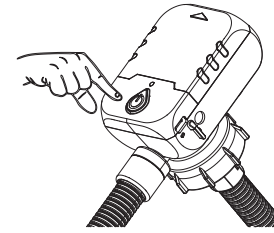


Fig.5

## USING A 12V BATTERY POWER SUPPLY

1. Connect the battery clamps of the DC power cable to a charged 12 V battery power supply, as Fig.6
2. Insert the DC power jack of the DC power cable into the DC power port of the pump body.

NOTE: Use caution when connecting clamps to a battery. Connect the red battery clamp to the positive terminal of the battery and connect the black battery clamp to the negative terminal.

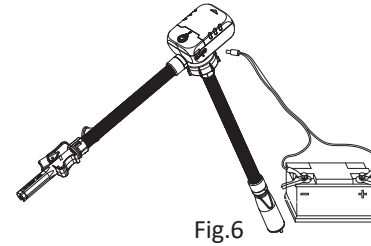


Fig.6

## CAUTION:

**Unplug the pump before liquid is completely gone. DO NOT RUN PUMP DRY!**

## USING AN AC 110V~240V POWER SUPPLY

1.Insert the adapter plug into the power plug as Fig.7
2. Insert one end of the terminal of the AC to DC adapter power cord into the DC power port of the pump body.

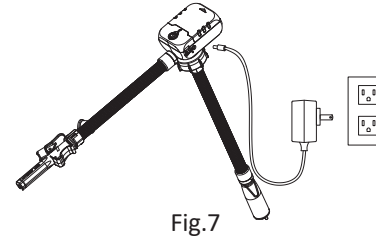


Fig.7

## Warning:

**1. Do not use any non-standard DC power cord or AC to DC adapter that is not provided by our company.**

**2. Do not connect the terminal plug without permission, otherwise it will damage the unit and cause danger**

## USING A CAR CIGARETTE LIGHTER POWER SUPPLY

1. Insert the Car Cigarette lighter adapter plug into the Car Cigarette lighter output terminal as Fig.8
2. Insert one end of the terminal of the Car Cigarette lighter adapter power cord into the DC power port of the pump body.

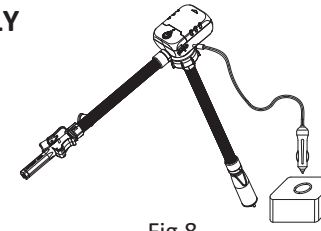


Fig.8

## HOW TO USE

**Using The Adapters**

**NOTE: This transfer pump comes with four (4) included adapters to use on most North America fuel cans. It is not necessary to attach an adapter, but recommended to make sure the transfer pump is secured on to the fuel can or supply tank being used.**

## HOW TO PUMP THE LIQUID FROM CANS.

1. Select the right adapter you need according to the gas can and make sure it is fastened tightly

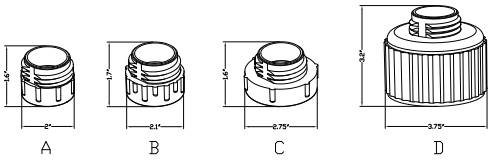



Fig.9

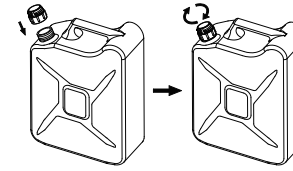


Fig.10

**The above adapters are subject to actual conditions.**

2. Insert the intake hose through the adapter into the supply tank and make sure the intake hose is submerged in the liquid to be transferred and fasten the pump connector tightly.

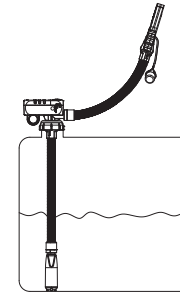


Fig.11

3. Attach the discharge hose to your receiving tank by the clip, and keep the discharge nozzle in a vertical direction tightly.

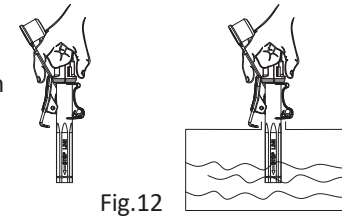


Fig.12

4. Start the pump by pressing button "ON".

*** The pump will stop automatically when the fuel reaches the stop line.**

5. Press the Off button to manually stop the liquid pumping (if necessary). Take out the discharge hose from the tank after working stop, and drain the fuel in the hose back to the supply tank.

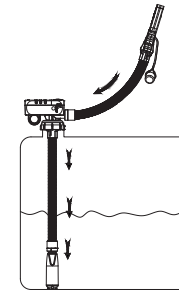


Fig.13

6. Place the discharge nozzle back to the nozzle compartment and hook it securely.

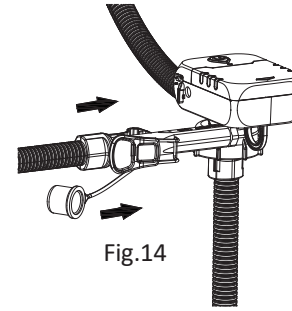
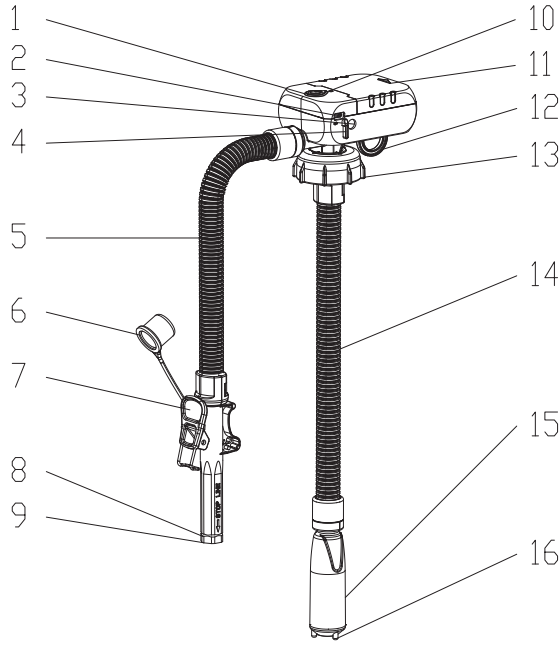


Fig.14

## NOTICE:

*** The above six steps must be operated in order, otherwise it may be due to the wrong order of operation, resulting in trapped gas in the pump body and no fuel can be pumped.**
*** Do not run unit dry.**
*** Make sure intake tube is fully submerged in liquid before turning on.**
*** After use, do not turn Pump upside down.**
*** Rinse unit with water and wipe dry. Remove batteries and store in a clean, dry location out of reach of children.**
*** Do not lift up or push down the pump while it is attached to the fuel tank.**

**PARTS LIST:**




| | | | |
|---|---|---|---|
| **1** | **On/Off button** | **9** | **Nozzle** |
| **2** | **USB power port** | **10** | **Indicator light** |
| **3** | **DC power port** | **11** | **Battery cover** |
| **4** | **Power source selection switch** | **12** | **Nozzle compartment** |
| **5** | **Discharge hose** | **13** | **Joint nut** |
| **6** | **Dust cap** | **14** | **Intake hose** |
| **7** | **Nozzle clamp** | **15** | **Moter inside** |
| **8** | **Auto stop line** | **16** | **Pump cap** |

# Troubleshooting

| FAULTS | CHECKS (possible causes) | REMEDIES |
|---|---|---|
| Pump does not operate even after pressing ON | A: Batteries may be incorrectly placed<br>B: USB is in poor contact<br>C: Batteries are depleted | A: Ensure the batteries are placed in the pump correctly<br>B: Ensure the USB is fully in contact with the power supply<br>C: Replace the battery/charge the mobile power supply |

| | | |
|---|---|---|
| Pump performance is low | A: Batteries are depleted<br>B: The receiving tank is higher than the supplying tank | A: Replace the battery/charge the mobile power supply<br>B: Make sure that the receiving tank is not higher than the supplying tank |
| Pump starts after pressing ON button but then stops unexpectedly | Filter of receiving tank may be blocked with foreign material | Clean foreign material from the filter |
| Pump immediately stops after pressing the ON button | A: Batteries are depleted<br>B: The sensor inlet accumulates liquid and touches the sensor automatic stop function. | A: Replace the battery/charge the mobile power supply<br>B: Remove the liquid from the sensor inlet and ensure that the liquid does not contact the automatic stop function of the sensor. |
| Pump running, but no fuel delivery after pressing the ON button | The impeller is stuck or blocked by impurities. | Remove pump and clean impurities. |
| Long press the ON button to work, release will stop working | A: The sensor inlet accumulates liquid and touches the sensor automatic stop function.<br>B: The sensor is loose. | A: Remove the liquid from the sensor inlet and ensure that the liquid does not come into contact with the automatic stop function of the sensor.<br>B: Move the sensor to the correct clamping position and clamp it. |
| Motor stops before receiving tank is full | A: Batteries are depleted<br>B: Sensor is too low and is touching the liquid<br>C: The USB power supply is in poor contact or the power supply is insufficient. | A: Replace the batteries<br>B: Adjust the discharge nozzle up so that the sensor is closer to the top of the supplying tank<br>C: Ensure that the USB power cable is fully connected to the power supply, and check the power supply. |