

## CORDLESS INFLATOR DMP180

## **REPAIR MANUAL**



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## 1 CONTENTS

1	CONTEN	TS	2			
2	CAUTIO	N	3			
3	3 NECESSARY REPAIRING TOOLS					
4	REPAIR .		4			
4-1	l Batte	ery	4			
4	4-1-1	Disassembling	4			
4-2	2 Mote	or and Pump section	4			
4	4-2-1	Disassembling	4			
4	4-2-2	Assembling	5			
4-3	3 Swit	ch/ Sensor, Terminal section/ Board	6			
4	4-3-1	Disassembling	6			
4	4-3-2	Assembling of Terminal section/ Board	7			
4	4-3-3	Assembling of Switch/ Sensor	8			
5	Check afte	er REPAIR	9			
6	CIRCUIT	DIAGRAM / WIRING DIAGRAM	9			

## 2 CAUTION

Repair the machine in accordance with "Instruction manual" or "Safety instructions".

Follow the instructions described below in advance before repairing:

- $\cdot\,$  Wear gloves.
- In order to avoid wrong reassembly, draw or write down where and how the parts are assembled, and what the parts are.
- It is also recommended to have boxes ready to keep disassembled parts by group.
- Handle the disassembled parts carefully. Clean and wash them properly.
- Remove Battery, except when it is necessary to check the operation of the machine.

## **3** NECESSARY REPAIRING TOOLS

Code No.	Description	Use for
1R311	Retaining ring pliers L	removing Tube
781036-5	Wrench 10	removing Hose

## 4 **REPAIR**

- 4-1 Battery 4-1-1 Disassembling
  - **1** Remove the battery.

## 4-2 Motor and Pump section

## 4-2-1 Disassembling





### 4-2-2 Assembling



Loosen and remove Hose [1] with Wrench 10 [2]

Note

(781036-5).

# 4-3 Switch/ Sensor, Terminal section/ Board4-3-1 Disassembling

Fig.8	<ol> <li>Remove Switch trigger [1] carefully so that Spring</li> <li>[2] does not pop out.</li> </ol>
Fig.9	<ul> <li>2 Remove Screw 3 *10 [1], then remove the following parts:</li> <li>Switch [2]</li> <li>Trigger spring-fixed block [3]</li> <li>Digital display [4]</li> <li>Clamp [5]</li> </ul>
Fig.10	<ul> <li>Loosen Screws 3 *10 [1] (2 pcs), then remove Power on/off [2].</li> </ul>
Fig.11	<ul> <li>4 Disconnect Connector [2] from PCB board [1], then remove Terminal protector [3].</li> <li>5 Remove PCB board [1] and Battery terminal [4] from Housing.</li> </ul>

## Assembling of Terminal section/ Board



## 4-3-2 Assembling of Switch/ Sensor

Fig.14	<ol> <li>Assemble Power on/ off [1] so that the red switch side faces to the yellow arrow side, then tighten Screws 3*10 [2] (2 pcs).</li> </ol>
Fig.15	<ul> <li>2 Assemble Switch [1] into two bosses.</li> <li>3 Assemble Digital display [2] and LED PCB [3].</li> <li>4 Tighten SCREW 3*10 [5] carefully so as not to pinch Lead wires with Trigger spring-fixed block [4].</li> </ul>
Fig.16	<ul> <li>With Spring [2] putting into Switch trigger [1], align Spring [2] with the cylindrical portion of Trigger spring-fixed block [3], then assemble Switch trigger [1].</li> </ul>

## 5 Check after REPAIR

- **1** Check the operation of the repaired machine.
- · Check that neither abnormal noise nor leakage of compressed air happens.
- $\cdot\,$  Check that the digital monitor is displayed, and the LED light is light up.
- 2 Check by putting air into the tires of the car, etc.
- Check that the pressure rises to the specified tire pressure.
- Measure the time from when the tire air is deflated condition to when it reaches the specified pressure.
- 3 Check that the air can be inflated at the same time as other machines.

## 6 CIRCUIT DIAGRAM / WIRING DIAGRAM

