# Troubleshooting

## 1. Guidelines



**5ᵣ00 (Sensor)**

**Error :** Operation on hold due to non-detection of motor sensor
**Possible Cause :** Problem with the motor sensor
**Solution :** Contact your supplier

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**Ch00 (Check)**

**Error :** Motor not responding
**Possible Cause :** Electric motor may not be able to activate due to possible electrical problem
**Solution :** Contact your supplier

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**bP00 (Backpressure)**

**Error :** Excessive backpressure indication
**Possible Cause :** Hardened grease obstructing lube point or kinked lube line
**Solution :** Purge grease into the lube point using a clean manual grease gun to eliminate possible hardened grease that may be causing an obstruction.
This will alleviate excessive backpressure. Reduce lube line length if possible.

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**Error :** Blank LCD screen
**Possible Cause :** CPU electrical malfunction or battery problem
**Solution :** Replace battery pack / Press reset button to restart the lubricator / Contact your supplier if problem persists

## How to order

| Grease Code | Application | Product Number |
|---|---|---|
| PL1 | Multi-Purpose | |
| PL2 | Heavy Duty | |
| PL3 | High Speed | |
| PL4 | H1 Food Grade | |
| PL5 | High Temperature | |
| PL6 | Multi Purpose with MoS2 | |
| PL7 | Low Temperature | |
| PL10 | Motor Bearing | |

□□ □□□ / PL□

Grease Number (PL1,2,3...10s or OEM)
Grease Capacity (60,125,250,500ml)
Service Pack Name

· Warranty is limited to original defects in material and workmanship and will not cover any collateral damage due to mishandling, abuse and /or any other inappropriate use of this product.
· Warranty period is 1 year from the date of purchase.

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# Pulsarlube Grease Service Pack
## USER MANUAL

## General Information

### 1. Product Description



**❶ Grease pouch**
· Select a grease pouch capacity (60, 125, 250, or 500ml) according to the specifications of the automatic grease lubricator.

**❷ Battery pack**
· The standard specification includes an alkaline battery pack.
A lithium battery pack can be selected depending on usage conditions.

**❸ Dust cover**
· Use the dust cover for extra protection against contaminants and water.
· For areas where discoloration from UV exposure may be a concern, a UV dust cover is available separately.

**❹ Memo label**
· Indicate the replacement and completion date on the label for easy maintenance.

### 2. Product Components by Lubricator Model

| Category | Components |
|---|---|
| MSP | ❶ Grease pouch ❸ Dust cover |
| PLC | ❶ Grease pouch |
| Others | ❶ Grease pouch ❷ Battery pack ❸ Dust cover ❹ Memo label |

### 3. Service Pack Replacement Product Classification

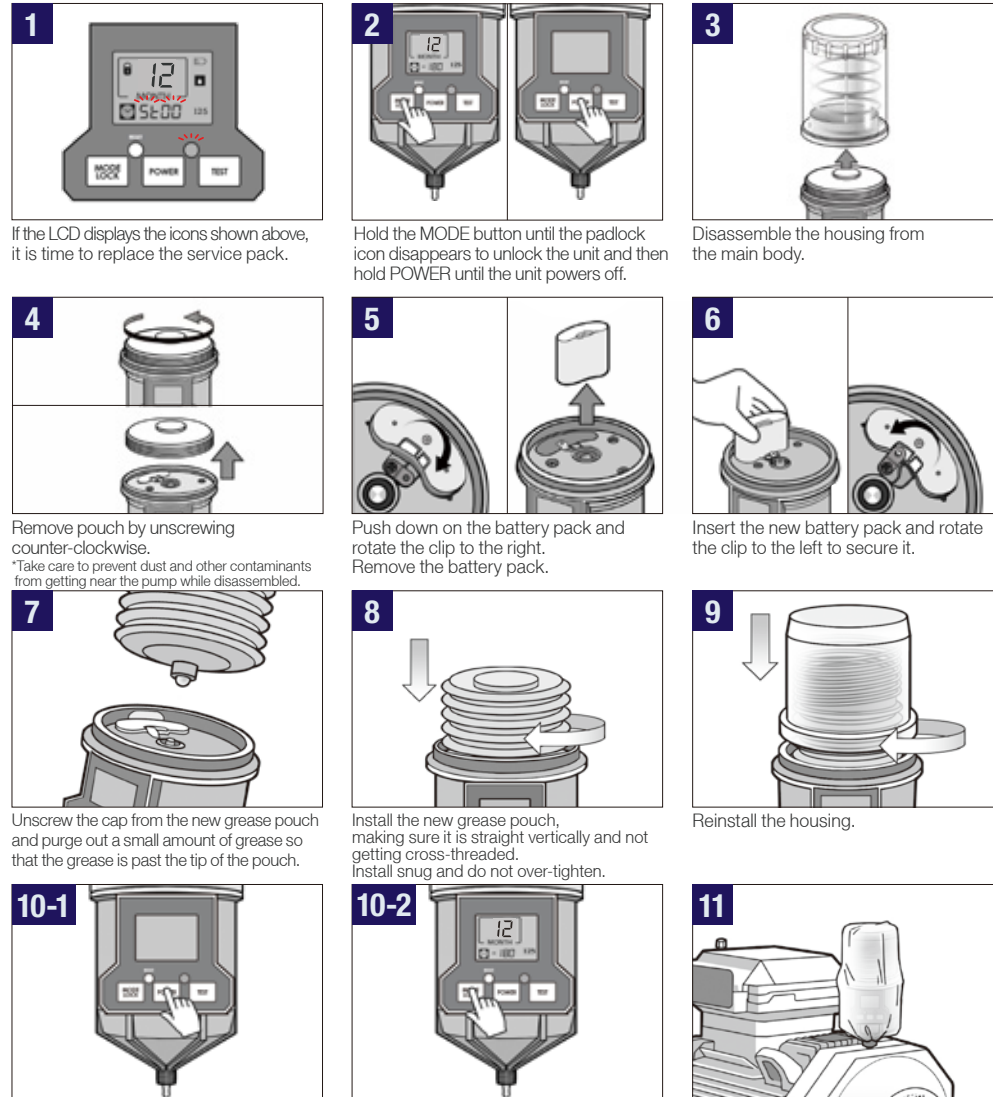| Grease Pouch Capacity | Product line |
|---|---|
| 60ml | Pulsarlube M(r), MSP(r), Mi |
| 125ml | Pulsarlube M(r), MSP(r), Mi |
| 250ml | Pulsarlube M(r), MSP(r), Mi |
| 500ml | Pulsarlube M(r), MSP(r) |

· To ensure the safe operation and proper installation of the Service Pack, we strongly recommend that you read the following information carefully before use.
· If you require further information, please contact your local supplier or manufacturer.
· Technical information is subject to change without notice.

# How to Install and Use

## Grease Service Pack Replacement Method

When the dispensing period is complete and it is time to replace the service pack,
the red LED will start to blink and the LCD will display the low battery icon, grease drop icon, and the elapsed time (number of days) since the dispensing period has ended.

**1**
If the LCD displays the icons shown above, it is time to replace the service pack.

**2**
Hold the MODE button until the padlock icon disappears to unlock the unit and then hold POWER until the unit powers off.

**3**
Disassemble the housing from the main body.

**4**
Remove pouch by unscrewing counter-clockwise.
*Take care to prevent dust and other contaminants from getting near the pump while disassembled.

**5**
Push down on the battery pack and rotate the clip to the right.
Remove the battery pack.

**6**
Insert the new battery pack and rotate the clip to the left to secure it.

**7**
Unscrew the cap from the new grease pouch and purge out a small amount of grease so that the grease is past the tip of the pouch.

**8**
Install the new grease pouch, making sure it is straight vertically and not getting cross-threaded.
Install snug and do not over-tighten.

**9**
Reinstall the housing.

**10-1**
To keep existing settings:
Press and hold the power button for 3 seconds. (Automatically sets to the previously configured setting)

**10-2**
To change the dispensing period setting:
Hold the MODE button until the padlock icon disappears to unlock and then press the MODE button again to cycle through the settings.
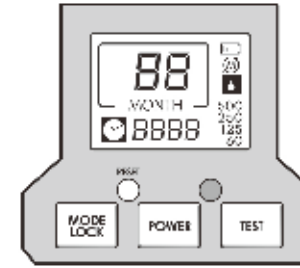
**11**
Attach the provided dust cover.

- OEM battery packs and grease pouches must be used when replacing service packs.
- Do not modify or disassemble the battery pack, lubricator, or grease pouch.
  Doing so may result in dispenser malfunction or compromise the safety of the device.

# Additional Information

## 1. Buttons and LCD Display

**MODE LOCK** + **TEST**
Backlight ON/OFF
Hold the Mode button and then press the Test button

**RESET**
Reset to default setting when the unit malfunctions and/or after changing the Service Pack

**TEST**
Purge Mode
ON : Press for 2 seconds
OFF : Short press of button
(will stop after completion of ongoing cycle)

**MODE LOCK**
Dispensing Period
1 ~ 12 month
Automatic Lock Out Mode
Press for 2 seconds to unlock(🔒)

**POWER**
Power ON/OFF
Press for 2 seconds to power unit on or off

| Icon | Description | Icon | Description | Icon | Description |
|---|---|---|---|---|---|
| 6 MONTH | Dispensing period setting | 🔒 | Automatic Lock Out mode | Sr-00 | Number of days operation has been on hold due to motor sensor error |
| -180 | Remaining dispensing days | Ⓜ | Operation of the lubricator has been interrupted(refer to Troubleshooting Guideline) | Ch00 | Number of days operation has been on hold due to motor error |
| 🔋 | Low battery power | 🌑 | Dispensing period has completed | St03 | Number of days since dispensing period has completed (🔋 and 🌑 will also display) |
| Green LED | LED blinks during normal operation | 60/125 250/500 | Grease pouch capacity | bP00 | Number of days operation has been on hold due to backpressure |
| Red LED | LED blinks when battery is low, excessive backpressure exists, or dispensing period has completed | | | PUG6 | Number of remaining purge cycles |

## 2. Battery Selection

The standard alkaline battery can be used for most installations in satisfactory environments.
The demanding situations below may require a lithium battery.

*◎: Recommended

| | Subject | Description | Alkaline Battery Pack (Standard) | Lithium Battery Pack (Optional) |
|---|---|---|---|---|
| **Application** | Direct Mount | - | ○ | ○ |
| | Multi-Point Installation | - | ○ | ◎ |
| **Environment** | Pouch Capacity | 480ml/500ml | ○ | ◎ |
| | Temperature Range | -15℃ ~ 60℃ ( 5°F ~ 140°F ) | ○ | ○ |
| | | -40℃ ~ -15℃ ( -40°F ~ 5°F ) | X | ○ |

*Single/Multi-Point remote installation lengths varies by product. Please refer to the product detail pages for specifications.