

## Battery Selection Guide

An optional lithium battery pack should be used for specific applications such as: extremely cold temperatures, high backpressure, or multi point lubrication with use of divider block (up to 8 points). Refer to the following guideline for selecting a battery pack. If further information is required, please contact your local supplier or manufacturer.

Battery Type	Selection Parameters	Operating Temperature Range	Selection Parameters	
			60, 125, 250ml Model	500ml Model
Standard (DC 4.5V Alkaline)		-15°C~60°C (-5°F~140°F)	• 30kgf/cm <sup>2</sup> (425psi) or less	• 20kgf/cm <sup>2</sup> (280psi) or less
Optional (DC 4.5V Lithium)		-40°C~60°C (-40°F~140°F)	• Over 30kgf/cm <sup>2</sup> (425psi) • Lower than -15°C (-5°F)	• Over 20kgf/cm <sup>2</sup> (280psi) • Divider block (1~8 points) • Dispensing period over 18 months • Remote installation over 10ft • Lower than -15°C (-5°F)

## How to Order

### Pulsarlube Standard Lubricants

Grease Code	Application	Product Number
PL1	Multi Purpose	<p><b>SV□□□ / PL□</b></p> <p>Grease Number ( PL1, 2, 3 ... 6, 7 or OEM )</p> <p>Grease Capacity ( 60, 125, 250, or 500 )</p> <p><b>Example SV250 / PL1</b> 250ml, PL1 type grease filled with standard battery pack</p>
PL2	Heavy Duty	
PL3	High Speed	
PL4	H1 Food Grade	
PL5	High Temperature	
PL6	Multi Purpose With MoS <sub>2</sub>	
PL7	Low Temperature	

Note: PL6 is not available in the u.s.

## Shelf Life and Warranty Period

The shelf life of a service pack is 1 year from the date of manufacturing. The warranty period is 1 year from the date of purchase. Product 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.

## Replacement Kit for PULSARLUBE M, EX, MS, MSP and M500



### Models Replaceable Service Pack

SV60 series 60ml for Pulsarlube M, EX, MS	PD60 60ml for Pulsarlube MSP
SV125 series 125ml for Pulsarlube M, EX, MS	PD125 125ml for Pulsarlube MSP
SV250 series 250ml for Pulsarlube M, EX, MS	PD250 250ml for Pulsarlube MSP
SV500 series 500ml for ML500 & M500	PD500 500ml for Pulsarlube MSP

### Each replaceable service pack consists of:




- A grease pouch of the selected lubricant type in 60, 125, 250, or 500ml volumes
- A standard DC 4.5V Alkaline battery pack or an optional DC 4.5V Lithium battery pack ( Battery pack not included in PD series )
- A disposable dust cover

The replaceable service pack is supplied as a single kit and comes in boxes of 10 (for 60, 125, 250, and 500ml)

### Before Use

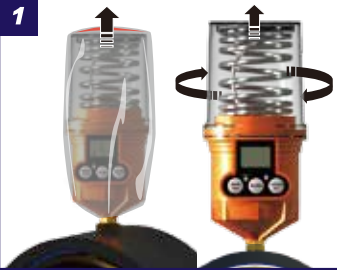
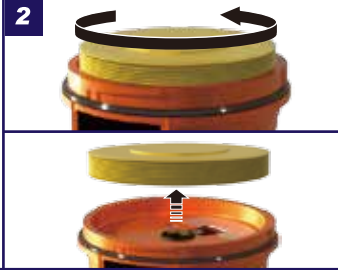
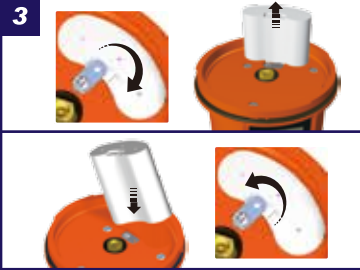

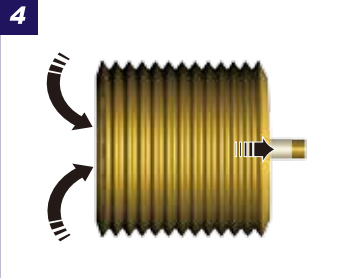
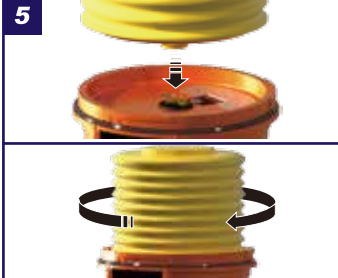
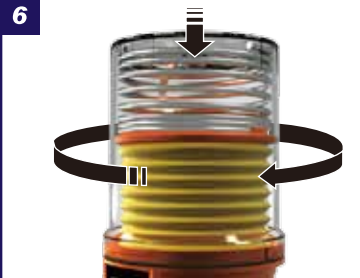

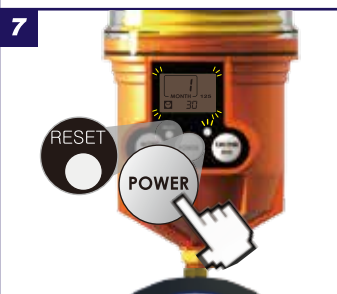


Thank you for purchasing the replaceable service pack for Pulsarlube M, EX, MS, MSP, M500 from Pulsarlube USA, Inc. To ensure the safe operation and proper installation of the service pack, we strongly recommend that you read the following information carefully before use. If you require further information, please contact your local supplier or manufacturer.

## Replacement of a Service Pack






When the selected dispensing period of electromechanical Pulsarlube product has completed, the red LED will start to blink and the LCD screen will also display icons for low grease level , low battery  and days since cycle completion.  If these icons are observed, it is time to replace the service pack.

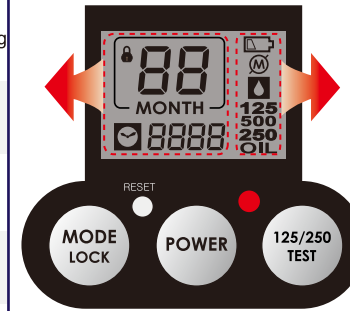
When the service pack is replaced, the grease pouch and battery pack **must always be replaced together at the same time**. This time ensures the reliable operation and guaranteed performance of the Pulsarlube unit through the end of the new cycle.






## How to Replace a Service Pack

<p><b>1</b></p> 	<p><b>2</b></p> 	<p><b>3</b></p> 
<p>Remove lubricator from the application. Open the transparent top housing of the unit by turning counterclockwise.</p>	<p>Remove the empty grease pouch from the unit by turning counterclockwise.</p>	<p>Remove the used battery pack and insert a new battery pack.   Make sure the battery clamp is firmly locked after replacement of the battery pack.</p>
<p><b>4</b></p> 	<p><b>5</b></p> 	<p><b>6</b></p> 
<p>Remove the cap of the Grease Pouch and purge it until grease comes out of the tip of the grease pouch.</p>	<p>Place the open end of the grease pouch over the lubricator's top check valve and carefully screw the grease pouch in by turning clockwise.   Do not over tighten the grease pouch.</p>	<p>Refit the transparent top housing on the unit and turn clockwise until the top housing clicks.</p>
<p><b>7</b></p> 	<p><b>8</b></p> 	<p><b>9</b></p> 
<p>Press the <b>RESET</b> → <b>POWER</b> → <b>TEST</b> button. The unit will go through an entire Purge/ Test cycle for approx. 2 minutes.</p>		<p>After completion of TEST mode and confirming that the lubricator is dispensing grease, reinstall onto application.</p>


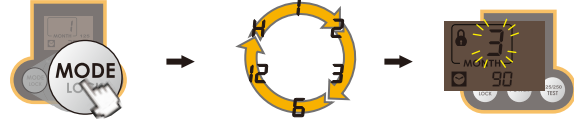
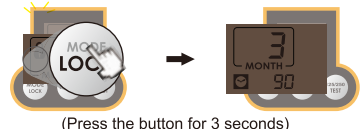

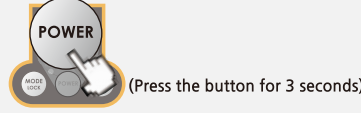




## LCD Display

Indication	Function
 12 MONTH	The dispensing period setting
 - 360	The # of days remaining until the end of lube cycle
 5103	The # of days after dispensing has completed
 1403	The # of days on stand-by mode due to excessive backpressure
 1151	The test mode is activated



Indication	Function
	The unit is in "Automatic Lock Out" mode
	Low battery power
	Excessive backpressure exists
	Empty grease level
125 / 250	Selected grease pouch capacity
	Signal lamp blinks periodically when battery power is low, excessive backpressure exists, or if grease level is empty

## Buttons

Indication	Usage	Process
	Selecting the dispensing rate	
	Deactivate automatic lock	 (Press the button for 3 seconds)
	Power	 (Press the button for 3 seconds)
	Selecting the right capacity	
	Test mode	 (Press the button for 3 seconds) (Dispensing 6 cycles)
	Reset	· Press the reset button after the replacement of service pack