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PULSARLUBE

FORM
 DOC#: PM-T-102
 Jan, 2007(Rev03)



The Pulsarlube M 500cc Oil Lubricator



Product Number: OL500

General Description:

The Pulsarlube M 500cc oil dispenser consists of a vertical feed pump, motor/gear set, and microprocessor control system. Cartridges are supplied in volumes of 500cc along with a Pulsarlube battery pack. These cartridges are also re-fillable.

Specifications:

- * Operating Temperature: 5° F ~ 140° F (-15° C~60° C)
- * Available Oil Viscosity Range: 46 ~ 10,000 cSt @ 40° C
- * Operating pressure: 280psi (20kgf/cm²)
- * Oil Capacity: 500cc
- * Variable Settings Available: ½, 1, 2, 4, 6, 12, 18, 24 months
- * Anti-Explosive Certification Grade: UL Class I, Division II, Sections C and D.
- * Default Setting: 1 Month
- * D.C 4.5 Volt Standard Alkaline Battery. Lithium Battery available for low temps (-40 °F)
- * LCD locking system included
- **Can lubricate up to 4 points through the use of remote install kit. (1250RO series)**

Dimensions: 500cc Diameter 3.6 inches, Height: 9.5 inches

Packaging: Each OL500 unit is individually packaged (8 units per case)

OL500 Setting Guide Lines

Setting	cc / Day
15	33.33cc
30	16.67cc
60	8.33cc
120	4.2cc
180	2.8cc
360	1.4cc
540	0.9cc
720	0.7cc

Note: Daily dispensing volume will vary upon oil viscosity.

Pulsarlube USA, Inc
ISO9001 Registered, Single Point Lubricator Company



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Initial Installation Procedure.

1. Insert the **Battery Pack** into the battery compartment of the main unit. (Make sure that the battery is locked in place after insertion by turning the metal clip on top over the battery). Take black plastic valve cap off of bottom of **Oil Cartridge**. Place the open end of the Oil Cartridge over the lubricators' top check valve and turn cartridge clockwise until you hear a "click".
2. Take the top yellow "center" cap off of Oil Cartridge and carefully pour oil into it.
Note: Avoid spilling oil on outside of lubricator.
3. Turn the **Pulsarlube OL500** unit **ON** by depressing the **Power** button for 2 seconds. Confirm that the LCD is turned on, by checking that the Red LED blinks once as soon as you press the power button. The unit is working, as long as the LCD displays information.
4. To test that the unit is working properly, simply follow the **TEST MODE PROCEDURE**:
 - Depress the **POWER** button first and then depress the **TEST** button for 2 seconds. The unit will start and begin dispensing grease. The unit will operate continuously in Purge mode and go through an entire cycle of (approximately 2 min).
 - To deactivate the **TEST MODE FUNCTION**, press the **TEST** button again. The unit will stop testing within the next 20 seconds.
 - If the unit is malfunctioning or if you encounter any difficulty, please refer to the troubleshooting guide.
5. Depress the **MODE** button to set the dispensing rate. Each time the **MODE** button is depressed, the dispensing rate changes in ascending order
i.e. 1▶ 2▶ 4▶ 6▶ 12▶ 24▶ H. **Note:** (H = Half month.)
6. Remove the grease nipple on lube point. Wrap some Teflon tape on the tip of your lubricator and install a 3/8" female NPT or BSP adaptor to bottom of unit. Make sure that the unit is snugly tightened to adaptor. The other end of the adaptor or lube line fitting (if installing remotely) must have the correct size of the lube point zirk fitting. The 3/8" brass thread of the unit is vibration proof. In other words it ensures that that fitting will not snap off at the nose even under severe vibration or shock loads.
7. For installations that involve extreme vibration, excessive heat, or service location that is considered hazardous, we recommend you use a remote installation kit available at Pulsarlube.

IMPORTANT: Be sure to pre-fill the 1/4" line, **prior** to installation. To do this simply connect one end of the lube line to the lubricator and press the test button for 2 seconds. This will purge the oil into the 1/4" line for approximately 20 seconds. Repeat this step until oil comes out the other end of the line. When oil has reached the other end, attach that end of the lube line to your lube point.



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Special Features.

Automatic Locking System:

The Microprocessor locks the LCD within 60 seconds after having been programmed. A “non – blinking lock I-Con is visible when the LCD is in “Lock – Mode”.









To **unlock** the LCD, press the “mode” button for 2 seconds until lock icon disappears.

Low Battery Sensing Capability:

A Red LED warning light next to the test mode button blinks every second when low battery exists.

Daily Dispensing Rate Display:

After selecting a monthly setting, the daily dispensing rate will display as shown on chart below. The LCD will automatically lock 60 seconds after the unit has been programmed. The LCD will then display days until end of cycle.

1/2	33.3	
1	16.6	
2	8.3	
3	5.55	
6	2.77	
12	1.38	
18	0.92	
24	0.69	



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Pump dispensing cycles.

No	Mode Settings	Cycles/time intervals (Cycles/day)
1	½ (H month)	1 cycle / 15 min (96 cycles/day)
2	1	1 cycle / 30 min (48 cycles/day)
3	2	1 cycle / 1hr (24 cycles/day)
4	4	1 cycle / 2hrs (12 cycles/day)
5	6	1 cycle / 3hrs (8 cycles/day)
6	12	1cycle / 6hrs (4 cycles/day)
7	18	1cycle / 9hrs (2.66 cycles/day)
8	24	1cycle / 12hrs (2 cycles/day)
9	TEST Function	Press TEST button for 2 seconds

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