



ITEM	DESCRIPTION	QTY
1	Pulsarlube M Automatic Lubricator	1
2	Adapter, 3/8" F X 1/8" M	1
3	Mounting Bracket	1
4	Washer	1
5	Socket, 1/8" F x 1/8" F Adaptor	1
6/9	Tube Fitting, Push-In Type, PC6-PT1/8" M	2
7	Self Drilling Screw, #8 x 20	3
8	Distribution Tubing, O.D. 1/4" (6mm) Nylon Tubing, 10ft (3m) Prefilled with Grease	1
10/12	Shaft for Felt Pinion including hardware	1
11	Felt Pinion	1

ASSEMBLY PROCEDURE

1. Install the mounting bracket **3** at a proper location using screws **7**. It is good practice to mount the lubricator in close proximity to the felt pinion to keep feed lines as short as possible.
2. Install the lubricator **1** onto the mounting bracket **3** using the provided adapter **2**, washer **4**, and socket **5**. Be sure to position the lubricator for easy access to the interface and for changing the grease pack.
3. Insert the push-in fitting connector **6** to the socket **5**.
4. Measure and cut the tube **8** to the desired length. Be sure the tube ends are cut clean and perpendicular and the tube is not damaged anywhere along its length.
5. Insert the tube into the push-in fitting connector **6** for a quick and easy leak-proof connection.
6. Attach the second push-in-fitting connector **9** to the pinion shaft **10**.
7. Mount the felt pinion **11** to the pinion shaft **10** and secure with the short bolt and washer **12**. Mount the assembly to your bracket using the two bolts on the opposite end of the shaft. Position the felt pinion to ensure it is fully meshed with the rack or pinion.
8. Insert the other end of the tube **8** to the push-in fitting connector **9**.
9. Follow the lubricator operation instructions in the user manual to complete the set up of the lubricator.

IMPORTANT

- All Parts should be assembled tightly with PTFE tape.
- Refer to the back of this sheet for the recommended lubrication interval (dispensing period) setting on the lubricator.
- Lubricate the pinion and the length of the rack before operation.

LUBRICATION INTERVAL SETTING

Proper lubrication amount is dependent on the module and linear speed of the rack and pinion system. These two factors are used to determine the interval setting for the automatic lubricator.

For single point lubrication with the GAM PulsarLube Automatic Lubricator, find the interval setting as follows:

1. Using **Table 1**, find the row corresponding to the **Module** of your rack
2. Read across to find the column corresponding to the **Linear Velocity** of your system
3. Use the value in the **Interval** column for the **Dispensing Period** setting on the lubricator

Notes:

- For reference, **Table 2** shows the actual amount dispensed for each interval setting on the PulsarLube Automatic Lubricator.
- If you are using a different brand of lubricator, **Table 3** lists the recommended range of lubrication for the given module and linear speed.
- To lubricate multiple points with one lubricator, contact GAM for available options.
- Replacement grease packs are available from GAM.

Replacement 125 ml Grease Packs:	MOBILUX EP2 (Standard)	FM222 (food grade)
Part Number:	44060001	44060002

Table 1: Interval (Dispensing Period) Setting for 125 ml Grease Pack (Standard)

Rack Module		Linear Velocity									
		0 – 1 m/s		1 – 2 m/s		2 – 3 m/s		3 – 4 m/s		4 – 5 m/s	
Over	Up to/Incl.	Interval	cm ³ /24h	Interval	cm ³ /24h	Interval	cm ³ /24h	Interval	cm ³ /24h	Interval	cm ³ /24h
-	2	12	0.35	12	0.35	12	0.35	12	0.35	12	0.35
2	3	12	0.35	12	0.35	12	0.35	12	0.35	12	0.35
3	4	12	0.35	12	0.35	12	0.35	6	0.69	6	0.69
4	5	12	0.35	12	0.35	6	0.69	6	0.69	3	1.39
5	6	12	0.35	12	0.35	6	0.69	3	1.39	2	2.08

Table 2: Dispensed Amount for Each Interval Setting (125 ml Grease Pack)

Interval / Months:	H	1	2	3	6	12
Days:	15	30	60	90	180	360
Dispensed (cm ³ /24h):	8.33	4.17	2.08	1.39	0.69	0.35

Table 3: Recommended Lubrication Range (cm³/24 hours)

Rack Module		Linear Velocity				
		0 – 1 m/s	1 – 2 m/s	2 – 3 m/s	3 – 4 m/s	4 – 5 m/s
Over	Up to/Incl.	cm ³ /24h	cm ³ /24h	cm ³ /24h	cm ³ /24h	cm ³ /24h
-	2	0.10 – 0.23	0.12 – 0.23	0.14 – 0.35	0.19 – 0.69	0.21 – 0.69
2	3	0.14 – 0.23	0.18 – 0.35	0.22 – 0.69	0.29 – 0.69	0.34 – 0.69
3	4	0.21 – 0.23	0.23 – 0.69	0.33 – 0.69	0.44 – 1.39	0.54 – 1.39
4	5	0.23 – 0.30	0.23 – 0.69	0.50 – 0.69	0.67 – 1.39	0.85 – 1.39
5	6	0.23 – 0.43	0.35 – 0.69	0.69 – 1.39	1.04 – 2.08	1.35 – 2.40



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