

GREASEBOSS LUBRICATION MANAGEMENT SYSTEM INSTALLATION GUIDE

LF400 ENDPOINT LOW FLOW



This installation guide provides instructions on how to install the Low Flow LF400 ENDPOINT in line with an automatic lubrication system.

These instructions as well as installation QA processes are available via the Hindsite App. Contact GreaseBoss Support for details.

1: ENSURE ALL DEVICES AND POWER SOURCES TO THE GREASE PUMP AND GREASE SYSTEM ARE FULLY ISOLATED PRIOR TO COMMENCING WORK



(Please take photos of each installation step and provide to GreaseBoss for effective support. Include a photo of the GreaseBoss Endpoint Serial Number.)

2: CHECK ENDPOINT-TO-GATEWAY COMMUNICATION RANGE.

Prior to installation, check that the Endpoint is within range of the GreaseBoss Gateway and perform a test sync.

2.1: Button Push & LED Sequence Guide

Press and HOLD	Release at 1 second	Release at 5 seconds
Function LED	Status Check or Power On from deep sleep*	Initiate Sync Process
  	 LED blinks once if OK	 - Flashes at 1x pulse / second - BT advertising / seeking gateway  - Flashes 3 x pulse indicates no connection to gateway - Solid red for 5 seconds indicates failed sync.  - Flashes at 1x pulse / second confirms sync in progress - Solid green for 5 seconds confirms successful sync

*Devices are shipped in deep sleep mode to preserve battery

2.2: Connect power to the Gateway and allow 3 minutes for it to boot up. Confirm the Endpoint is on by pressing the button for 1 second and confirming a short green LED blink.

2.3: Hold or place the Endpoint in position where it is planned to be installed.

2.4: Press and hold the button on the Endpoint for 5 seconds and release to force a sync with the Gateway. Follow the LED sequence as shown in 2.1 and confirm a solid green LED indicating successful sync.

2.2: Connect power to the Gateway and allow 3 minutes for it to boot up. Confirm the Endpoint is on by pressing the button for 1 second and confirming a short green LED blink.

Troubleshooting & Improvement Options

If not in range or intermittent, try the following options to improve the connection:

- Check Gateway is on
- Attempt sync 3 times (wait 2 min between attempts)
- Change the Endpoint mounting location to a spot with reduced interference
- Change the Gateway location
- Check Endpoint battery level (via GreaseBoss Cloud Account or GreaseBoss Support)
- Increase Endpoint power and re-try steps 2-4 (contact GreaseBoss Support to enable this)
- Could anything else be interfering with the signal or is an additional Gateway required?

3: ENDPOINT INSTALLATION PROCESS

Parts & Tools

Included in kit:

- Endpoint LF400
- Note: 1/4" BSPP female thread on Endpoint
- Mag mount if selected at time of purchase

User supplied:

- Mounting bolts with washers and nuts
- Fittings and hoses as required
- Custom mounting bracket if required

3.1: Record the Endpoint Serial Number and Grease Point (Serial Number: GBLF4#####)	
3.2: Install Endpoint Inline	• Ensure lubrication system is off, isolated and de-pressurised, and the GreaseBoss Gateway is installed. • Identify the grease line supplying the grease point that is to be monitored by the Endpoint Low Flow. • Identify a suitable mounting location for the Endpoint. • Ensure the mounting location is clean and smooth, and clear of dirt. • Disconnect the grease line and install the Endpoint using appropriate fittings and hoses. • Ensure no dirt, debris or contaminants enter the Endpoint or are on the Endpoint Female Thread or Hose/Connector Male Thread. • Check hose and connector integrity and ensure there are no leaks. • Secure the grease line to the surface on either side of the Endpoint to hold everything in place.
3.3: Check Endpoint Connectivity	• Ensure the GreaseBoss Gateway is powered on, and automated lubrication is still isolated. • Hold the Endpoint button down for 5 seconds until a green light appears.

	• Observe light behaviour pattern - solid green light following flashing lights indicates sync success. (Check other behaviour against the attached image). • Wait two minutes to retry if results are uncertain.
3.4: Check Endpoint Data in the GreaseBoss Cloud	• Once a grease event has occurred (e.g. when the asset / lubrication system has been returned to service), check that data is visible in the GreaseBoss Cloud account.