

# EDM 830 Cheat Sheet

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## Setting Fuel Level

On startup, will display **FILL? N**

### No Fuel Added

Press *Step* to exit

### Adjust Fuel Level

Tap *LF* to cycle through:

- **Fill 66** (tabs)
- **Fill 86** (topped off)
- **Fill +** (custom value)
  - Hold *LF* to count up
  - Tap *LF* to count down

Tap *Step* to finalize selection and exit.

## Scan Modes (Auto / Manual)

Unit will default into automatic scan mode, scrolling through values at set rate.

Tap *Step* to stop scan cycle.

Tap *Step* to move to next value in scan.

Tap *LF*, then tap *Step* to return to automatic scan.

## EGT Views (Percentage / Normalized)

Hold *LF* to toggle between percentage view (default) and normalized view.

### Run Up (use normalized view)

- Verify uniform rise of about 50°F in all EGTs in single magneto operation

- Verify uniform rise of EGTs with application of the mixture control
- Be alert for abnormally high CHT
- Be alert for a higher EGT on one cylinder in dual magneto operation—indicates fouled spark plug.

### Off Scale Readings

Off-scale readings are normally the result of being in normalized view during power changes. Change to percentage view.

## Leaning

*NOTE: Once in LF mode, you can exit by taping Step to return to automatic scanning.*

### 1. Pre-lean

Before entering LF mode, lean until engine roughness.

Then enrich mixture until it smooths out.

Wait ~1 min to allow temps to stabilize.

### 2. Select Mode

Tap *LF* to start LF mode.

Screen will show either ROP or LOP.

To toggle modes, press and hold *Step* and *LF* together until display changes.

### 3. Start Leaning

Start turning mixture knob ~1/4 turn per second without pausing.

When 15 F change occurs, LF will activate.

### 4a. Rich of Peak (ROP)

When first EGT peaks, LEANEST will flash and flash the peaked EGT column.

Enrichen to best power as desired, ensuring CHTs are below 400° F.

#### **4b. Lean of Peak (LOP)**

When first EGT peaks, LEANEST will flash and flash the peaked EGT column.

Continue to lean.

When last EGT peaks, RICHEST will flash and flash the respective column.

Continue leaning to desired EGT value (of richest cylinder) but don't make engine run rough.

#### **Silencing Alarms**

Tap the *Step* button to silence an alarm for 10 min.

Hold *Step* button for 3 seconds to silence alarm remainder of trip.

#### **Descent**

Try to avoid cooling the engine faster than 50° F per minute in descents, as measured by *CLD* measurement on display.