

# FL-XIED-10

## Xtreme Inline Enrichment Device®

A “plug-n-play” upgrade that allows engines equipped with OEM oxygen sensors to run at a richer 14.0:1 air fuel ratio in closed loop mode, providing:

- lower engine temperature
- improved throttle response
- decreased exhaust heat
- less engine “ping”

Fits 2010 and later Harley-Davidson® Twin Cam models with OEM 4-wire Delphi 12mm. O2 sensors. Includes 2010 and later Touring, and 2012 and later Dyna and Softail.

	2010	2011	2012	2013	2014
Touring	✓	✓	✓	✓	✓
Softail	XIED®	XIED®	✓	✓	✓
Dyna	XIED®	XIED®	✓	✓	✓
Sportster	X14IED	XIED®	XIED®	XIED®	XL-VIED-14
V-Rod	XIED®	XIED®	FL-AFXIED-10	FL-AFXIED-10	FL-AFXIED-10

Recommended for HD bikes with OEM emissions downloads. These include:

- TC96, TC96 Stage 1
- TC103, TC103 Stage 1, TC103 Stage 2
- TC110, SE CVO 110

Exhaust systems including slip-on mufflers and air cleaner upgrades are compatible with the FL-XIED-10 upgrade. It is recommended that bikes that have full exhaust system upgrades, or those with the catalytic converter removed, use the FL-VIED-10 product. Fine tuning of the O2 sensor signals may be required to optimize the fuel mixture when the converter is not in place.

Removal of the catalytic converter is not recommended due to emissions regulations.

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Nightrider.com Performance Products

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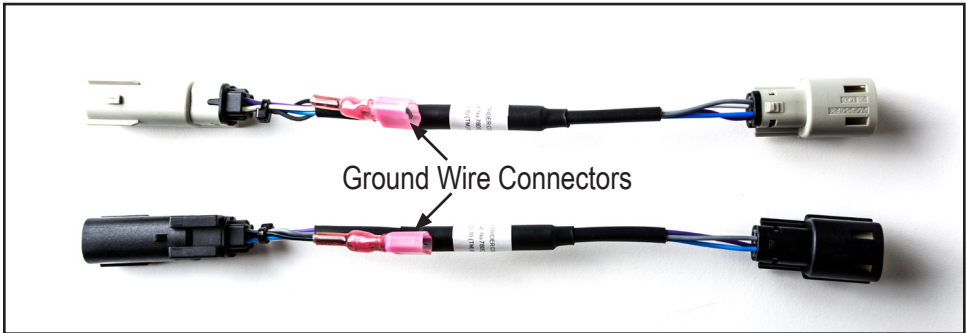
S&P MULLEN Enterprises, Inc. Oldmar, FL 34677

# FL-XIED-10

## Xtreme Inline Enrichment Device®

### Installation Instructions - Touring:

1. Remove the right side cover.
2. Locate the color-coded front and rear O2 sensor connectors.
3. Unplug the O2 sensor connector from the wiring harness.
4. Plug the color-coded FL-XIED-10 between O2 sensor connector and the wiring harness. The front connector is gray; the rear connector is black. It is important to make sure the connectors lock together.
5. Connect the FL-XIED-10 ground connectors to either a frame bolt or the battery negative terminal. Do not connect the ground wire to the positive battery terminal. Doing so could cause damage to the ECM or the FL-XIED-10.
6. Tie-wrap the FL-XIED-10 in place to prevent movement. The FL-XIED-10 can be folded in a "Z" shape for a cleaner installation.

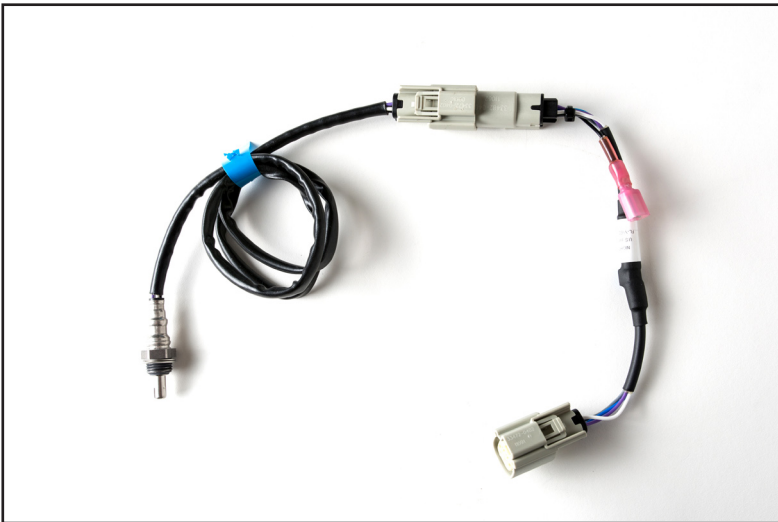


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## Installation Instructions - Dyna, Softail

1. Locate the front and rear O2 sensors on the exhaust header.
2. Follow the wiring 8-10" back to the black/white connector.  
The front O2 sensor connector is located on the lower front frame below the voltage regulator. The rear O2 sensor connector is located below the oil tank on Softail and under the seat on Dyna.
3. Unplug the O2 sensor connector from the wiring harness.
4. Plug the FL-XIED-10 between O2 sensor connector and the wiring harness. The front connector is gray; the rear connector is black. It is important to make sure the connectors lock together.
5. Connect the FL-XIED-10 ground connectors to either a frame bolt or the battery negative terminal. Do not connect the ground wire to the positive battery terminal. Doing so could cause damage to the ECM or the FL-XIED-10.
6. Tie-wrap the FL-XIED-10 in place to prevent movement. The FL-XIED-10 can be folded in a "Z" shape for a cleaner installation.



Front FL-XIED-10 connected to front O2 sensor.

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Please Note: Transient codes P0131 and/or P0151 may be present in the electronic control module (ECM) after the FL-XIED-10 is installed. The presence of these specific codes in ECM history is not unusual on bikes with IEDs installed, nor does their presence cause any problems. The HD Service Manual indicates that these codes and be “cleared and ignored.”

### Disclaimer:

This product is intended for race vehicles used on closed courses, and not for use on roads or vehicles otherwise subject to emission control requirements. In California, this product must not be used on any vehicle that is registered or licensed for use on public roads.

Actual results from the installation of the FL-XIED-10 may vary between individual bikes.

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