

FL-VIDED-10

Variable Inline Enrichment Device®

A “plug-n-play” upgrade that allows engines equipped with OEM oxygen sensors to run at a richer air fuel ratio range of 14.4:1 to 13.9:1 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.

	2010/11	2012/13	2014/15	2016
Touring	✓	✓	✓	✓
Softail	VIDED®	✓	✓	✓
Dyna	VIDED®	✓	✓	✓
Sportster	VIDED®	VIDED®	XL-VIDED-14	XL-VIDED-14
V-Rod	VIDED®	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

Upgraded exhaust systems including slip-on mufflers and full exhaust changes, and air cleaner upgrades are compatible with the FL-VIDED-10 upgrade.

DKCustom.com



FLVID10install-v2

Email: support@dkcustomproducts.com

Phone: 662-252-8828

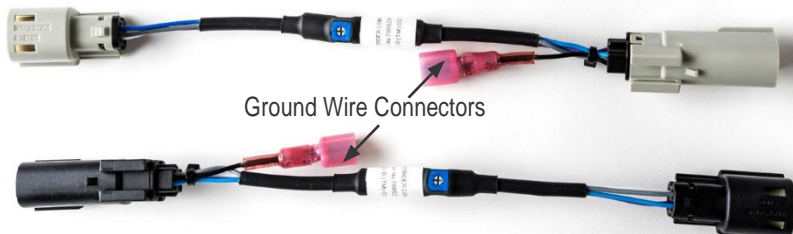
Text: 662-420-4891

FL-VIDED-10

Variable 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-VIDED-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-VIDED-10 ground connectors to either a frame bolt or the battery negative terminal.
6. Tie-wrap the FL-VIDED-10 in place to prevent movement. The FL-VIDED-10 can be folded in a "Z" shape for a cleaner installation.



NOTE: Do not connect the ground wire to the positive battery terminal. Doing so could cause damage to the ECM or the FL-VIDED-10.

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-VIDED-10 between O2 sensor connector and the wiring harness. It is important to make sure the connectors lock together.
5. Connect the FL-VIDED-10 ground connectors to either a frame bolt or the battery negative terminal.
6. Tie-wrap the FL-VIDED-10 in place to prevent movement. The FL-VIDED-10 can be folded in a "Z" shape for a cleaner installation.

DKCustom.com



Email: support@dkcustomproducts.com

Phone: 662-252-8828

Text: 662-420-4891

FL-VID-10

Variable Inline Enrichment Device®

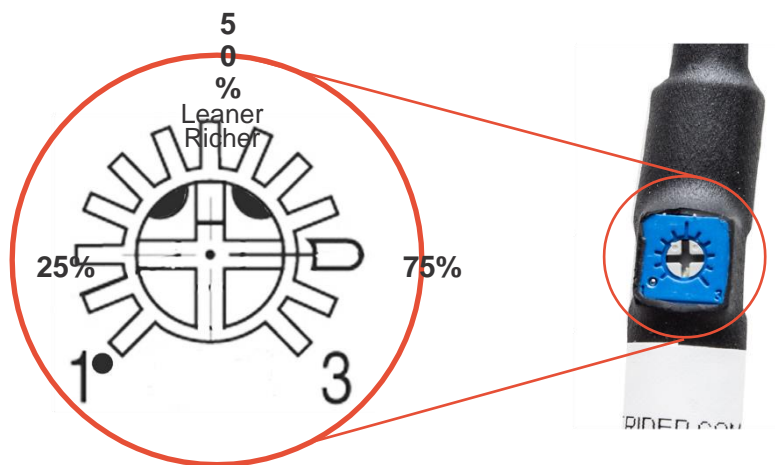
Adjustment Notes:

- Use a Jeweler's screwdriver to make adjustments to the FL-VID-10.
- Do not force the FL-VID-10 adjustment dial.
- Set the initial value based on the Recommended Settings.
- If a check engine light occurs, set the AFR 12% - 25% leaner.

Recommended AFR Settings for FL-VID-10:

- | | |
|---|----------------------|
| • Touring with OEM header | - 14.0-13.9 (50-75%) |
| • Touring without converter, with quiet exhaust | - 14.0-13.9 (50-75%) |
| • Touring without converter, with loud exhaust | - 14.2-14.0 (25-50%) |
| • Softail/Dyna with OEM muffler | - 14.0-13.9 (75%) |
| • Softail/Dyna with aftermarket exhaust | - 14.2-14.0 (50-75%) |

Air Cleaner changes do not impact settings. A free-flowing exhaust with no converter may cause AFR readings to show .2 richer than actual.



Approximate AFR Settings for FL-VID-10:

	14.3	14.2	14.1	14.0	13.9
Slip-Ons		50%		75%	85%
Without Converter		25%		50%	

DKCustom.com



Email: support@dkcustomproducts.com

Phone: 662-252-8828

Text: 662-420-4891

FL-VIED-10

Variable Inline Enrichment Device®

Do not expose the FL-VIED-10 to any high pressure water stream. Check FL-VIED-10 grounds if high or erratic idle exists.

Please Note: Transient codes P0131 and/or P0151 may be present in the electronic control module (ECM) after the FL-VIED-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 can 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-VIED-10 may vary between individual bikes.

DK Custom Products warrants this Performance Products against defects in factory workmanship and material for 30 days from the date of purchase with proof of purchase or until ownership in the part is transferred.

The manufacturer and seller make no warranties express or implied which extend beyond the description of the goods contained herein. Any description of this product is for the purpose of identifying it and shall not be deemed to create an express warranty. DK Custom Products shall not be responsible for any consequential, special or incidental damages of any nature, including but not limited to the loss of use of any vehicle on which the unit may be installed and

the cost of obtaining substitute components.

Harley-Davidson is a registered trademark of Harley-Davidson, Inc. Model designations for Harley-Davidson Motorcycles are used for reference purposes only. This part is not manufactured or endorsed by Harley-Davidson.

XIED®, VIED® are registered trademarks.

This product is protected by U.S. Pat. No. 7,805,236. Made in the USA.

DKCustom.com



FLVIED10install-v2

Email: support@dkcustomproducts.com

Phone: 662-252-8828

Text: 662-420-4891