



Ducati XiED®

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Fits most 2006 and Later Ducati®

Models with OEM Ducati sensor P/N 552.1.111.1A
Made in the USA

A 'plug-n-play' upgrade designed to let the engine equipped with OEM oxygen sensors run at a richer air fuel ratio in closed loop mode ranging from 14.3:1 to 13.7:1. The improved air fuel mixture has generally shown one or more of the following positive results:

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

Installation Instructions

- Locate O2 sensor on exhaust system
- Follow wiring to black connector
 - Cut any tie wraps holding the connectors in place
- Unplug weather-tight connector
- Plug the XiED **between** O2 sensor and wiring harness
- Make sure the connectors lock into each other
- Tie wrap the XiED in place to prevent it from moving.

Adjustment Instructions

- Use a Jeweler's screwdriver to make adjustments to the XiED
- Do not force the XiED dial adjustment
- Set the initial value to 14.0 or the 50% position
- Test Ride the bike for several miles. As long as throttle response continues to improve, the mixture can be richened.
 - Otherwise bring the mixture back to a lesser setting
- If the Richer Mixture causes surging, hunting or high idle try:
 - Adjust idle bypass screw on throttle body
 - Reduce the XiED fuel mixture slightly
- Normal settings can be anywhere from 14.3-13.7, depending upon a bikes exhaust and the riding style.

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.

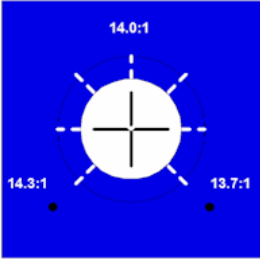
Actual results from the installation of the XiED's may vary between individual bikes.

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Approximate AFR range for the XiED's are as follows in the shaded cells:

14.7	14.6	14.5	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7
Stock	Stock						Start			
Full Counter Clockwise is 14.3:1 Leaner							Full Clockwise is 13.7:1 Richer			

Maximum recommended rich AFR for various model bikes and years

	2006	2007	2008	2009	2010/11

Notes:

Richer closed loop AFR values can not be achieved if any exhaust leaks exist. Even the smaller exhaust leak might result in less than optimum settings for the XiED or might cause check engine lights to occur. It is not uncommon for leaks to occur if slip-on mufflers or exhaust system upgrades have been done on the bike and proper installation procedures have not been followed.

Do not expose the XiED to a high pressure water stream. Keep XiED out of direct water spray. Wire loom can be used to help protect the dial from water spray.

Ducati XiED's are not compatible with:

- Ducati Performance ECU's including bikes with OEM Termignomi exhaust
- 2010,/2011 Hypermotard 796/1100
- 2009/2010/2011 Monster 696/1100
- ECM upgrades that bypass or eliminate closed loop operation

Decel popping is not the sign of a 'lean' fuel mixture. Decel popping is caused when hot, un-burnt fuel in off throttle situations mixes with fresh air and auto-ignites at the muffler/header junction. The most common cause of decal popping is adding a free flowing exhaust, which allows fresh air to get into the exhaust system.

The more free flowing the mufflers, the leaner the maximum XiED setting will be.

Some Ducati motorcycles require 2-XiED's. One unit is required for each O2 sensor.

Ducati Model/Year Compatibility

Model	2006	2007	2008	2009	2010	2011
GT1000		x	x	x	x	
HyperMotard 1100					NO	NO
HyperMotard 796					NO	NO
Monster 1100				NO	NO	NO
Monster 695		x	x			
Monster 696				NO	NO	NO
Monster S2R1000	x	x	x			
Monster S4R		x	x			
Monster S4RS		x	x			
MultiStrada 1100		x	x	x	x	
MultiStrada 1100S		x	x	x	x	
Paul Smart 1000LE	x					
Sport Classic 1000	x	x	x	x		
Sport Classic 1000S	x	x	x	x		
Sport Touring ST3	x	x				
Sport Touring ST3S	x	x				
StreetFighter					x2	
Super Bike 1098		x	x	x		
Super Bike 1098S		x	x	x		
Super Bike 1198				x2	x2	
Super Bike 848			x	x	x	

- NO** indicates the XiED is specifically not compatible
X indicates that the XiED has no known issues
X2 indicates that 2-XiED's are required
Blank indicated not compatible or unknown compatibility

S&P Mullen Enterprises, Inc provides the best possible information it can, but assumes no responsibility for the ultimate compatibility of this device on any vehicle. It is the ultimate responsibility of the owner to determine suitability of this device for his vehicle per the Disclaimer.

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