



# Motorcycle Engine Control Unit (ECU) and Small Engine Control

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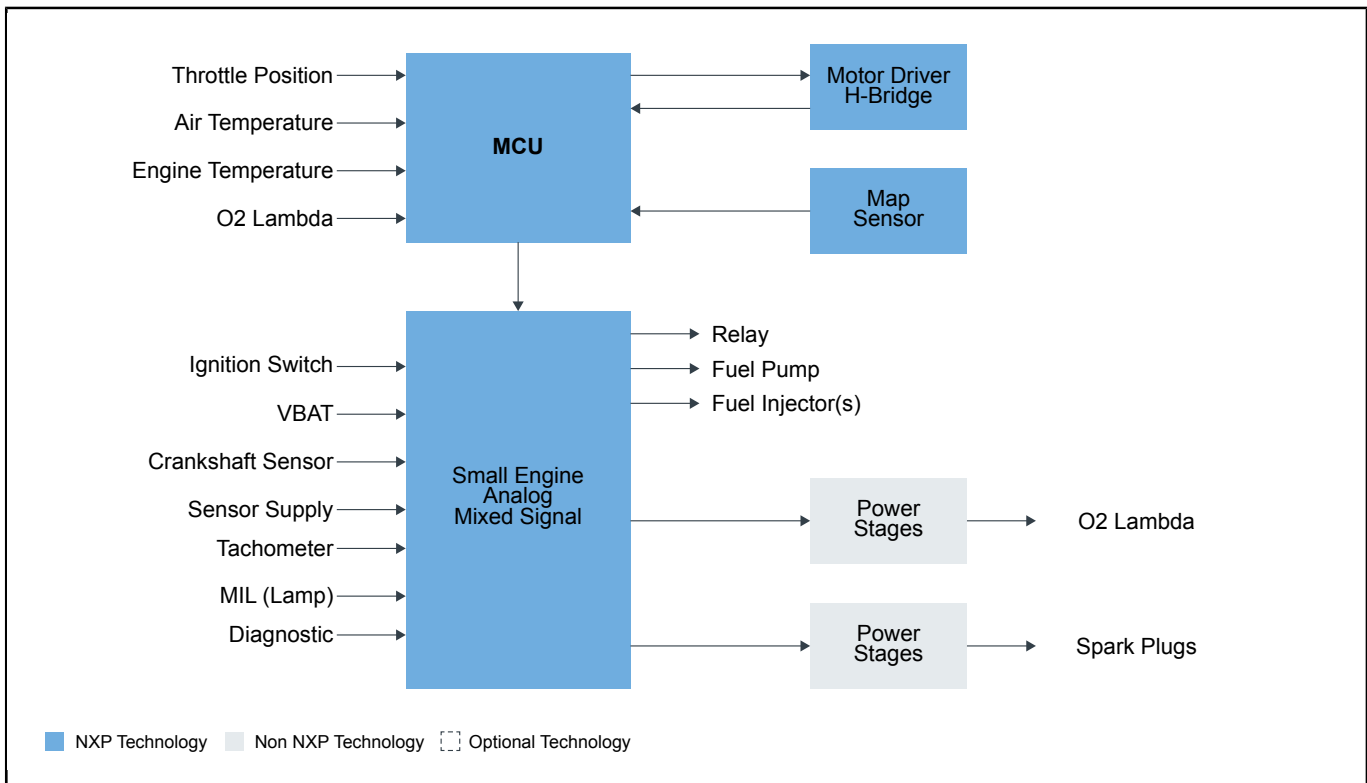
Motorcycle manufacturers will move from carburetors to electronic systems to comply with regulations. Electronically controlled systems enable motorcycles (and other small engine applications) to meet stricter emissions regulations.

NXP's product portfolio includes a wide range of 16- and 32-bit MCUs with companion analog and mixed signal ICs (U-Chip)—offering high-quality, cost-effective solutions for these evolving automotive quality standards.

Additional applications include:

- Scooters/Three-wheelers
- Lawn Equipment
- Electric Generators
- Marine Engines/Personal Watercraft

## Motorcycle Engine Control Unit (ECU) and Small Engine Control Block Diagram



Recommended Products for Motorcycle Engine Control Unit (ECU) and Small Engine Control	
Microcontrollers (MCU)	<ul style="list-style-type: none"> <li>• <a href="#">KEA</a>: Ultra-Reliable KEA Automotive Microcontrollers (MCUs) based on Arm® Cortex®-M0+ Core</li> <li>• <a href="#">S12XE</a>: Ultra-Reliable S12XE High-Performance Automotive and Industrial Microcontrollers</li> <li>• <a href="#">S12XS</a>: S12XS Automotive and Industrial Microcontrollers (MCUs)</li> <li>• <a href="#">S12P</a>: S12P Automotive and Industrial Microcontrollers (MCUs)</li> <li>• <a href="#">S32K1</a>: S32K1 Microcontrollers for Automotive General Purpose</li> </ul>
Small Engine Analog Mixed Signal	<ul style="list-style-type: none"> <li>• <a href="#">MC33814</a>: Two Cylinder Small Engine Control IC</li> <li>• <a href="#">MC33813</a>: One Cylinder Small Engine Control IC</li> <li>• <a href="#">MC33810</a>: Automotive Engine Control IC</li> <li>• <a href="#">MC33800</a>: Engine Control Integrated Circuit</li> </ul>
Motor driver / H-Bridge	<ul style="list-style-type: none"> <li>• <a href="#">MC33931</a>: H-Bridge, Brushed DC Motor Driver, 5-28 V, 5 A, 11 kHz</li> <li>• <a href="#">MC33926</a>: H-Bridge, Brushed DC Motor Driver, 5-28 V, 5 A, 20 kHz</li> <li>• <a href="#">MC33879</a>: Configurable Octal Serial Switch</li> <li>• <a href="#">HB2001</a>: SPI Programmable 10 A H-Bridge Brushed DC Motor Driver</li> <li>• <a href="#">MC33886</a>: H-Bridge, Brushed DC Motor Driver, 5-28 V, 5 A, 10 kHz</li> <li>• <a href="#">MC33887</a>: H-Bridge, Brushed DC Motor Driver, 5-28 V, 5 A, 10 kHz</li> <li>• <a href="#">MC33932</a>: H-Bridge Motor Driver, 5-28 V, 5 A, 11 kHz</li> <li>• <a href="#">PT2000</a>: Programmable Solenoid Controller Gate Driver</li> <li>• <a href="#">HB2000</a>: SPI Programmable 10 A H-Bridge Brushed DC Motor Driver</li> </ul>
MAP Sensor	<ul style="list-style-type: none"> <li>• <a href="#">MPL3115A2</a>: Absolute Digital Pressure Sensor (20 to 110 kPa)</li> </ul>

View our complete solution for [Motorcycle Engine Control Unit \(ECU\) and Small Engine Control](#).

**Note:** The information on this document is subject to change without notice.

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