The Lambda sensor reports to the engine management computer the air/fuel ratio in the exhaust system. The Lambda sensor technology has evolved dramatically over the last four decades. It remains one of the most important sensors in your vehicle, monitoring the closed-loop operation that reduces exhaust emissions and increases fuel efficiency. The Lambda sensor continues to challenge service technicians with its operation, failure modes, diagnosis and replacement.

An estimated 90% of all emission inspection failures are the result of faulty Lambda sensors. Part of the reason for those failures is that not all lambda sensors are created equal – and it's getting harder and harder to tell them apart. It has never been more important for shop operators and technicians to know that the Lambda sensors they install are from a manufacturer whose entire program is structured around OEM information and consists of OEM quality product.

The technology in Lambda sensors has grown from 1-wire unheated sensors in the late 1970's to complex 4 and 5-wire air/fuel ratio sensors that are in today's vehicles. These sensors include heated, fast light off, ultra-fast light off, titania, zirconia, thimble, planar and wideband sensors. Staying up to date with these technologies is critical in diagnosing the Lambda sensor and this technology will only continue to grow in the future as we see emission controls becoming stricter every year.

It's easy to see the benefits of partnering with a manufacturer you can trust to provide the highest quality Lambda sensors. Walker Products has built its program based on years of automotive experience, unsurpassed quality, and a commitment to develop a program that provides a high return on your investment. Walker Products will continue to be the brand you trust for all your Lambda Sensor replacement needs.

- *Logan Morris,*
  Product Manager