



LOTUS ENGINEERING SUPPLIES A RANGE OF CONTROLLERS FOR A WIDE RANGE OF CLIENT APPLICATIONS

Control systems are an integral aspect of today's vehicles, from safety, stability and security systems, through all aspects of powertrain and propulsion to the total human machine interface. Increasingly, with the adoption of these control technologies, vehicle attributes and product differentiation is often defined by electronic systems and settings.

We can define and implement the complete control system requirements for production, developing software and integrating hardware elements across the whole vehicle for improved efficiency and functionality, promoting brand character.

Our own Lotus control systems offer production solutions for lower investment, faster to market options that are flexible and adaptable for a wide range of client applications. We understand design of control systems for safety and durability and they have proven operation in a range of Lotus vehicles (including Elise, Exige and the Evora).

Lotus is partnered with Efi Technology which has a history of providing state-of-the-art engine controllers, together we can deliver bespoke hardware and software solutions to a customers specification, from design and development, through to calibration and certification including On Board Diagnostics (OBD) strategy.

BENEFITS OF USING LOTUS CONTROLLERS

We have expertise in complex electronics across all vehicle systems and can use our own technology to work with, or substitute for, individual systems' controllers within engineering programmes for cost-effective results. Our skills and experience also allow fast and effective integration of many separate vehicle systems, even if they have not previously been used together for an application.

- Lotus controllers are fully compatible with latest emissions diagnostics, EMC and safety requirements
- Lotus controllers can be used in a range of applications including cars, motorbikes, marine and automatic transmissions
- Lotus controllers can be used in electric and hybrid vehicles
- Lotus controllers can be provided at shorter lead times for prototype applications
- Lotus controllers can be integrated with whole vehicle systems, sensors and actuators from any source

TRANSMISSION CONTROLLER UNIT (TCU)

The Lotus TCU has been developed to meet the requirements of complex and advanced modern automatic transmissions such as the new Lotus Intelligent Precision Shift (IPS) gearbox fitted to the Lotus Evora. The TCU supports a range of automatic transmissions including:

- Conventional torque converter automatics
- Automated manual transmissions
- Dual clutch transmissions

LOTUS T6 ENGINE CONTROL UNIT (ECU)

The T6 controller is the latest in a line of Lotus ECU controllers that have proven operation in Lotus vehicles as well as EV and HEV applications

- Lotus T6 Controller is OBD2 Compliant
- Can be used in electric and hybrid vehicle applications
- Supports engines up to six cylinders
- Can be used in prototype and research and development applications

