

# EJTXXUSE Engine Management Throttle Body (EMTB)

The ElectroJet (EJT) Universal Small Engine (USE) engine management throttle body (EMTB) is an exceptionally capable, highly integrated, yet cost effective engine control system. The flexible electronic control unit (ECU) ensures this product can meet the needs of OEMs worldwide, and the packaging versatility makes this product sure to fit the application.

## Flexible Packaging

ElectroJet already has many of the most common bore sizes and bolt patterns accommodated with existing throttle body designs. Do you have a size or bolt pattern we don't currently support? One of the services ElectroJet provides is low cost custom or semi-custom throttle body designs leveraging our existing ECU.

## Capable Electronics

- Supports **1 and 2 cylinder applications** for closed loop fuel and spark control
- Immune to most wiring faults, including module reverse battery
- Crank position measured using a VR or Hall effect sensor
- Flexible I/O including: 1 Relay, 1 bulb, 1 solenoid driver, 12V 10A power output, 2 Digital Inputs, 5V reference, analog input, tachometer output, and engine stop input
- \*Please note that some of these options are mutually exclusive.
- KLINE and CAN communications
- Standard automotive calibration via XCP on CAN (INCA and ATI Vision supported)
- Automotive style SAE diagnostic trouble codes (i.e. works with off-the-shelf OBD scan tools) and MIL blink codes supported.
- Completely field reprogrammable via CAN
- Supply voltages for all power outputs
- Fuel pump controls

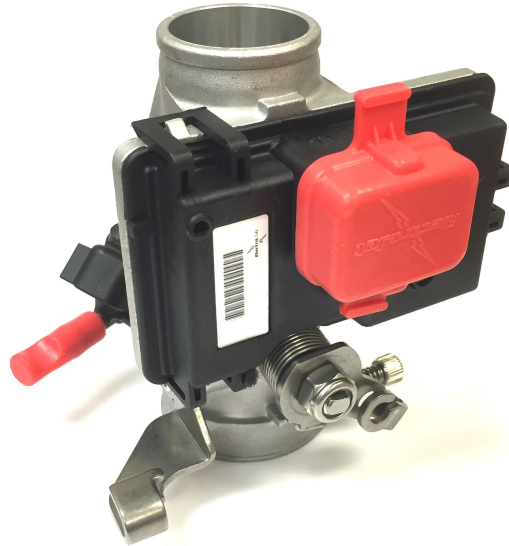


FIG. 1 - EJTX3USE EMTB

## Sophisticated Software

- Model based development environment
- Two-stroke and four-stroke operation selectable through calibration
- Stationary or mobile applications selectable through calibration
- Supports virtually all sensors and actuators
- Robust open loop fueling algorithm
- Closed loop adaptive fueling and management for a heated narrow band oxygen sensor
- Advanced adaptive fueling algorithm
- Engine speed limitation
- Idle speed control

## Complimentary Services

- Custom software development
- Application prototyping
- Vehicle Integration
- Cursory and complete calibration services
- Support Contracts
- Wired and wireless diagnostic tools
- Mobile app integration and development