

EICS - Engine Integrated Control System - (Compliance Controls)



Features

- An OEM approach to an aftermarket application
- Two packages available: performance/efficiency package, optional emissions package (includes catalyst)
- One unit, three integrated functions - CD ignition, air/fuel control, and electronic governing speed control
- Pre-calibrated and dyno tested for your specific engine model
- Advanced electronic fuel control system
- Lightning fast response to engine speed/load variations and fuel quality changes
- MPI "smart" ignition coils for expanded engine diagnostics
- Graphical color user interface
- Data sharing via Modbus RS485
- Data logging

Optimizing your engine's performance and maintaining emission compliance is easier than ever with Murphy's new Engine Integrated Control System (EICS). The EICS combines many products into a complete integration package pre-calibrated specifically for your engine model.

EICS combines key components - ignition system (powered by MPI), air-fuel control, speed governing, interface and diagnostics, sensors, harnesses, catalyst and engine control unit (ECU) - in one package, saving you money and man-hours associated with the installation and setup of separate engine components.

The EICS has been pre-configured for your convenience, ensuring your engine will run at optimum performance without the need for manual field adjustments. Its D-EPR valve accommodates wide variations in fuel composition and speed/load ranges, maintaining efficiency with load following technology for even the toughest gas lift applications.

In addition, the EICS eliminates the need for pretest site visits by maintaining emissions - saving you time and money. With EICS you can be certain your site will pass required testing, like Quad J testing, without the need for pretesting to get "dialed in".

Benefits

- Integrated system = simplified installation compared to separate components
- The integrated approach makes more advanced diagnostics possible
- No more setup of generic boxes - EICS is engine specific
- No more "dialing in" - it's pre-calibrated
- Optimization of your engine's performance
- Maintains emissions compliance between testing - no "tweaking" necessary
- Eliminates magneto failures and premature spark plug changes
- Reduces engine failure diagnostic time
- Reduces costs associated with the engine's operation



How to Order

Step 1 - Pick the EICS Engine Kit based upon your engine model

EICS Engine Specific Kits

P/N 48-70-0027 - Arrow VRG330

P/N 48-70-0012 - Caterpillar 3304NA

P/N 48-70-0011 - Caterpillar 3306NA

P/N 48-70-0010 - Caterpillar 3306TA

Step 2 - Determine display variant

Every EICS Engine Kit Requires One Display - Choose One Variant Below

P/N 48-70-0017 - Display Kit, EICS, Display + EICS Pigtail + RS485 Pigtail

P/N 48-70-0021 - Display Panel with Switches, EICS

Step 3 - Add optional hardware if desired

Add Optional Emissions Package

P/N 48-70-0013 - Emissions Kit, Applicable for 3306TA, 3306NA, 3304NA, VRG330

To Add Optional Suction Pressure Control

Order key below and add a standard Murphy PXT 4-20ma Pressure Sensor to complete

P/N 48-70-0015 - Suction Control Software Key (requires Murphy PXT sensor)

Visit www.fwmurphy.com/EICS-engines to view a full list of supported engine models, and to let us know which engine models you would like to see mapped next.



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