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DDEC® VI
Application and Installation

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CALIFORNIA
Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

CALIFORNIA
Engine Idle Limiting Standard Notice

Vehicles with engines certified by the State of California are equipped with software features making them compliant with the California Engine Idle Regulations. In order to meet this regulation, the engine control strategy is generally configured to automatically shut down the engine after five minutes of continuous idle operation. This shutdown feature is not an engine malfunction and is required to meet the California emission regulations.

ATTENTION

This document is a guideline for qualified personnel. It is intended to be used by vehicle manufacturers and contains Detroit Diesel's recommendations for the ancillary systems supporting the Detroit Diesel engines covered by this document. The vehicle manufacturer is responsible for developing, designing, manufacturing and installing these systems, including component qualification. The vehicle manufacturer is also responsible for furnishing vehicle users complete service and safety information for these systems. Detroit Diesel makes no representations or warranties regarding the information contained in this document and disclaims all liability or other responsibility for the design, manufacture or installation of these ancillary systems, or the preparation or distribution to vehicle users of appropriate information regarding these systems. The information contained in this document may not be complete and is subject to change without notice.

TRADEMARK INFORMATION

DDEC VI APPLICATION AND INSTALLATION

ABSTRACT

DDEC VI offers engine controls and an extensive range of engine and vehicle options.

The detail provided will facilitate the following:

- The selection of features and settings, based on individual applications
- The fabrication and installation of a vehicle interface harness, based on individual applications
- The communication of messages & data between sensors and various electronic control modules within the installation
- The use of industry standard tools to obtain engine data and diagnostic information, as well as to reprogram key parameters

The manual is arranged as follows:

- The initial portion covers the installation, beginning with an overview and safety precautions, followed by hardware and wiring requirements, inputs and outputs, and available features.
- The second portion covers communication protocol.
- The third portion covers the tools capable of obtaining engine data and diagnostic information from the MCM and the CPC, as well as reprogramming of its key parameters.
- The final portion, the appendix, summarizes detailed information on codes and kit availability.

This manual does not cover the installation of the engine itself into various applications. For this, the reader should refer to the specific engine application and installation manual.

This manual is intended for those with an electrical background. A simple installation may require a basic understanding of electrical circuits while a more comprehensive electrical/electronics background is required to access all the capability of the DDEC VI.

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