

JOHN DEERE

COMPONENT TECHNICAL MANUAL

PowerTech® 4.5 & 6.8 L Diesel
Engines—Level 12 Electronic Fuel
System with DE10 Pump

CTM331 09APR02 (English)



PDF



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***POWERTECH*[®] 4.5L & 6.8L
Diesel Engines**

**Level 12 Electronic
Fuel System With
Stanadyne DE10 Pump**

TECHNICAL MANUAL

***POWERTECH*[®] 4.5 L & 6.8 L Diesel
Engines—Level 2 Electronic Fuel
System with DE10 Pump**

CTM331 09APR02 (ENGLISH)

POWERTECH

John Deere Power Systems

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Introduction

Forward

This manual is written for an experienced technician. Essential tools required in performing certain service work are identified in this manual and are recommended for use.

This manual (CTM331) covers only Level 12 Electronic Fuel System with the Stanadyne DE10 injection pump. It is one of five volumes on 4.5 L and 6.8 L engines. The following four companion manuals cover the base engine, mechanical fuel system, level 4 electronic fuel system and level 1 electronic fuel system repair, operation and diagnostics:

- CTM104—Base Engine
- CTM170—Level 4 Electronic Fuel System with Bosch VP44 Pump
- CTM207—Mechanical Fuel Systems
- CTM284—Level 1 Electronic Fuel Systems with Delphi (Lucas) DP201 Pump

Other manuals will be added in the future to provide additional information on electronic fuel systems as needed.

Live with safety: Read the safety messages in the introduction of this manual and the cautions presented throughout the text of the manual.



This is the safety-alert symbol. When you see this symbol on the machine or in this manual, be alert to the potential for personal injury.

Use this component technical manual in conjunction with the machine technical manual. An application listing in Section 01, Group 001 identifies product-model/component type-model relationship. See the machine technical manual for information on

component removal and installation, and gaining access to the components.

Information is organized in sections and groups for the various components requiring service instruction. Section 05 summarizes all applicable essential tools, service equipment and tools, other materials needed to do the job, and service parts kits. Section 06 summarizes all specifications, wear tolerances, and torque values.

Before beginning diagnosis or repair on an engine, clean the engine.

This manual contains SI Metric units of measure followed immediately by the U.S. customary units of measure. Most hardware on these engines is metric sized.

Some components of this engine may be serviced without removing the engine from the machine. Refer to the specific machine technical manual for information on components that can be serviced without removing the engine from the machine and for engine removal and installation procedures.

Read each block of material completely before performing service to check for differences in procedures or specifications. Follow only the procedures that apply to the engine model number you are working on. If only one procedure is given, that procedure applies to all the engines in the manual.

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.

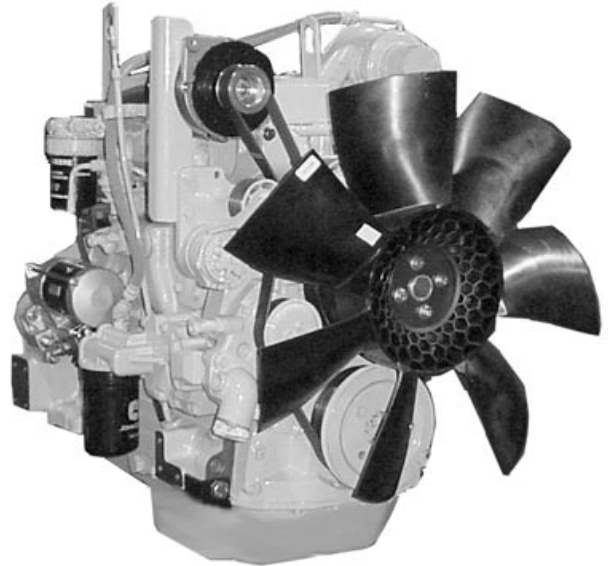
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POWERTECH[®] 4.5 L Engine with Level 12 Electronic Fuel System and Stanadyne DE10 Pump



Right Side of Engine

RG11931 -UN-06NOV01



Left Side of Engine

RG11932 -UN-06NOV01

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