

POWERTECH™ 2.4L & 3.0L Diesel Engines

TECHNICAL MANUAL 2.4L & 3.0L Diesel Engines Component Technical Manual CTM301 14JUL09 (ENGLISH)

For complete service information also see:

Alternators and Starting Motors CTM77
OEM Engine Accessories CTM67
(English Only)




Introduction

Foreword

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.

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.

Technical manuals are divided in two parts: repair and operation and tests. Repair sections tell how to repair the components. Operation and tests sections help you identify the majority of routine failures quickly.

Information is organized in groups for the various components requiring service instruction. At the beginning of each group are summary listings of all applicable essential tools, service equipment and tools, other materials needed to do the job, service parts kits, specifications, wear tolerances, and torque values.

Technical Manuals are concise guides for specific machines. They are on-the-job guides containing only the vital information needed for diagnosis, analysis, testing, and repair.

Fundamental service information is available from other sources covering basic theory of operation, fundamentals of troubleshooting, general maintenance, and basic type of failures and their causes.

DX, TMIFC -19-29SEP98-1/1

Engine Owner

John Deere Engine Owner:

Don't wait until you need warranty or other service to meet your local John Deere Engine Distributor or Service Dealer.

Learn who he is and where he is. At your first convenience, go meet him. He'll want to get to know you and to learn what your needs might be.

Aux Utilisateurs De Moteurs John Deere:

N'attendez pas d'être obligé d'avoir recours à votre concessionnaire John Deere ou point de service le plus proche pour vous adresser à lui.

Renseignez-vous dès que possible pour l'identifier et le localiser. À la première occasion, prenez contact avec lui et faites-vous connaître. Il sera lui aussi heureux de faire votre connaissance et de vous proposer ses services le moment venu.

An Den Besitzer Des John Deere Motors:

Warten Sie nicht auf einen evt. Reparaturfall um den nächstgelegenen John Deere Händler kennen zu lernen.

Machen Sie sich bei ihm bekannt und nutzen Sie sein "Service Angebot".

Proprietario Del Motore John Deere:

Non aspetti fino a quando ha bisogno della garanzia o di un altro tipo di assistenza per incontrarsi con il Suo Concessionario che fornisce l'assistenza tecnica.

Impari a conoscere chi è e dove si trova. Alla Sua prima occasione cerchi d'incontrarlo. Egli desidera farsi conoscere e conoscere le Sue necessità.

Propietario De Equipo John Deere:

No espere hasta necesitar servicio de garantía o de otro tipo para conocer a su Distribuidor de Motores John Deere o al Concesionario de Servicio.

Entérese de quién es, y dónde está situado. Cuando tenga un momento, vaya a visitarlo. A él le gustará conocerlo, y saber cuáles podrían ser sus necesidades.

John Deere MotorÄgare:

Vänta inte med att besöka Din John Deere återförsäljare till dess att Du behöver service eller garanti reparation.

Bekanta Dig med var han är och vem han är. Tag första tillfälle att besöka honom. Han vill också träffa Dig för att få veta vad Du behöver och hur han kan hjälpa Dig.

DPSG,OUOE003,2736 -19-11JAN99-1/1

About This Manual

The changes listed below update your CTM. **Discard CTM301 dated 26Jan06 and replace with this manual. Also refer to the following manuals.**

- CTM77—Alternators and Starting Motors
- CTM67—OEM Engine Accessories (English Only)

SECTION 02—Group 070 (Cooling System)

- Revised fan bearing installation procedure

SECTION 02—Group 090 (Fuel System)

- Added JDG10221 Turning Tool to installation procedure

SECTION 05—Group 170 (Repair Tools)

- Added tools

RG19661,0000028 -19-27JAN06-1/1

POWERTECH™ 2.4 L & 3.0 L Diesel Engines



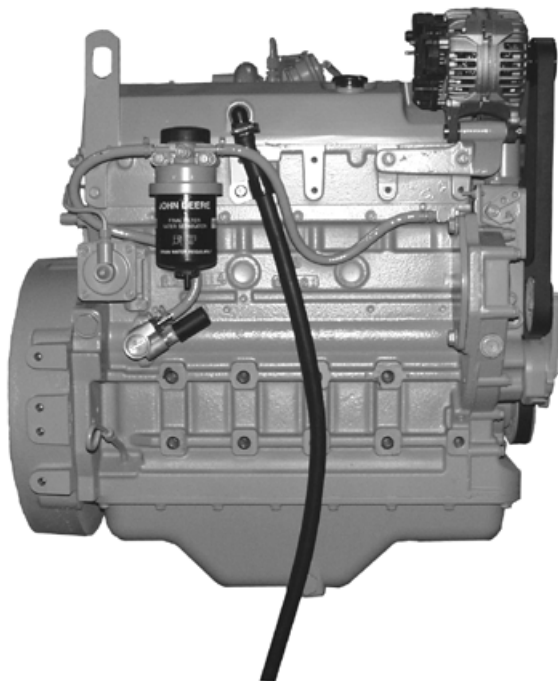
2.4 L Right Side View

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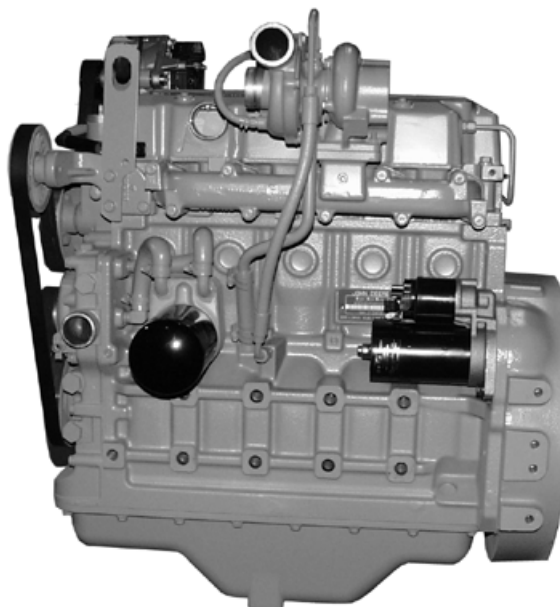
2.4 L Left Side View

RG12960 —UN—03JUN03



3.0 L Right Side View

RG12962 —UN—03JUN03



3.0 L Left Side View

RG12963 —UN—03JUN03

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*Original Instructions. All information, illustrations and specifications in this manual are based on the latest information available at the time of publication.
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to get more information.