



SERVICE MANUAL

LOADALL (ROUGH TERRAIN
VARIABLE REACH TRUCK)
**533-105, 535-v125, 535-v140,
540-140, 540-170, 540-200, 540-v140,
540-v180, 550-140, 550-170**

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This manual contains original instructions, verified by the manufacturer (or their authorized representative).

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Foreword

The Operator's Manual

⚠
You and others can be killed or seriously injured if you operate or maintain the machine without first studying the Operator's Manual. You must understand and follow the instructions in the Operator's Manual. If you do not understand anything, ask your employer or JCB dealer to explain it.

Do not operate the machine without an Operator's Manual, or if there is anything on the machine you do not understand.

Treat the Operator's Manual as part of the machine. Keep it clean and in good condition. Replace the Operator's Manual immediately if it is lost, damaged or becomes unreadable.

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Introduction

A crankshaft pulley is used to drive a FEAD (Front End Accessory Drive) belt. The belt drives the coolant pump. Depending on the machine application, the belt is configured to drive engine mounted accessories, such as the alternator, cooling fan and air conditioning compressor.

Some applications have a second pulley on the crankshaft which drives a dedicated fan belt. The belt drives an engine mounted cooling fan.

Health and Safety

Turning the Engine

Do not try to turn the engine by pulling the fan or fan belt. This could cause injury or premature component failure.

WARNING! The engine has exposed rotating parts. Switch off the engine before working in the engine compartment. Do not use the machine with the engine cover open.

Notice: A drive belt that is loose can cause damage to itself and/or other engine parts.

Component Identification

Figure 303. A - With air conditioning compressor, no cooling fan

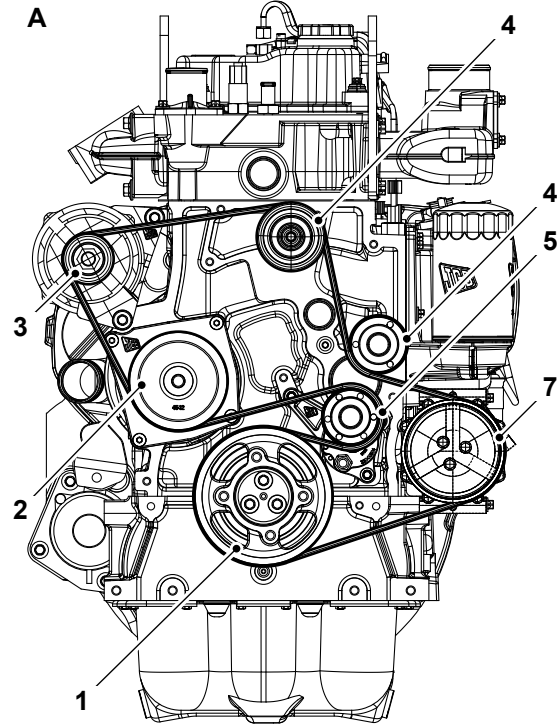


Figure 304. B - Without air conditioning compressor, no cooling fan

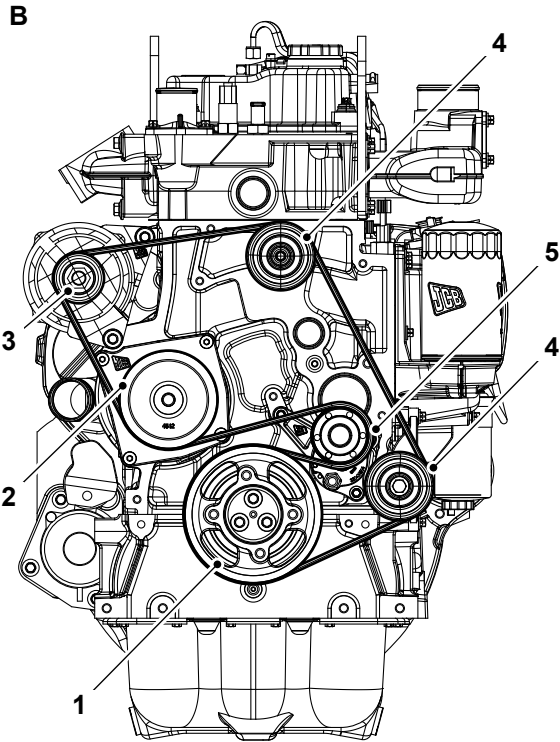
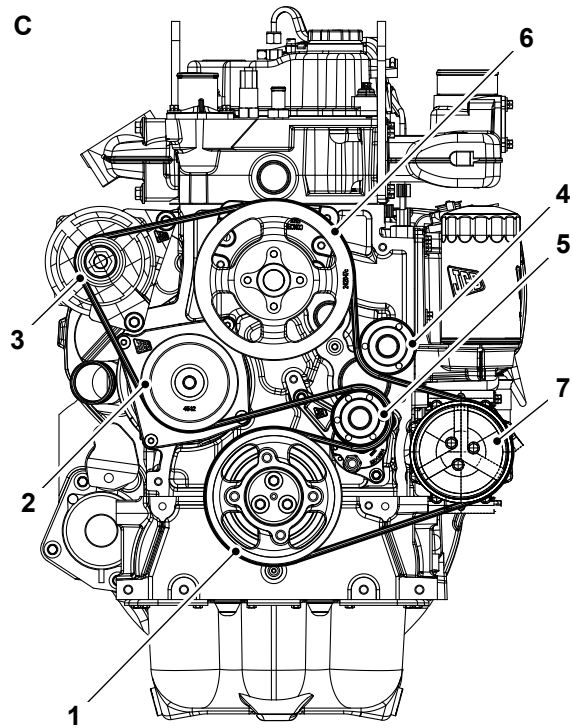
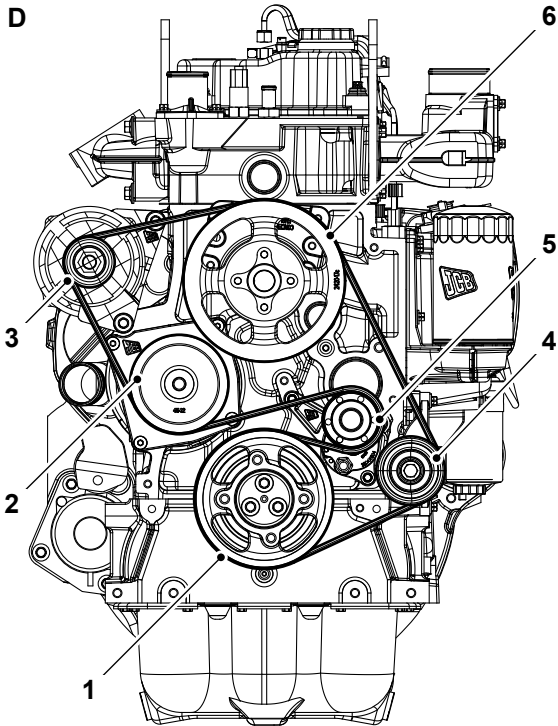


Figure 305. C - With air conditioning compressor, cooling fan pulley installed



- 1 Crankshaft drive pulley
- 2 Coolant pump drive pulley
- 3 Alternator drive pulley
- 4 Idler pulley
- 5 Tensioner pulley
- 7 Air conditioning compressor drive pulley

Figure 306. D - Without air conditioning compressor, cooling fan pulley installed



- 1 Crankshaft drive pulley
- 2 Coolant pump drive pulley
- 3 Alternator drive pulley
- 4 Idler pulley
- 5 Tensioner pulley
- 6 Cooling fan drive pulley
- 7 Air conditioning compressor drive pulley

Note: Idler pulley positions differ slightly depending on the size of the fan pulley installed.

Note: Different fan pulley size options are available. This enables a choice of fan/engine speed ratios.

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