

## Introduction

This workshop manual has been designed to provide assistance in the service and overhaul of Perkins, Phaser and 1000 Series engines.

Most of the general information which is included in the relevant User's Handbook (Sections 1 to 9) has not been repeated in this workshop manual and the two publications should be used together.

Where the information applies only to certain engine types, this is indicated in the text.

The details of some operations will be different according to the type of fuel injection pump which is fitted. The pump type can be found by reference to the manufacturer's identification plate on the pump but, generally, the type of pump fitted is as shown below.

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| Bosch EPvE | Vehicle and truck applications                                          |
| CAV DPA    | Naturally aspirated engines in industrial and agricultural applications |
| CAV DPS    | Turbocharged engines in industrial and agricultural applications        |

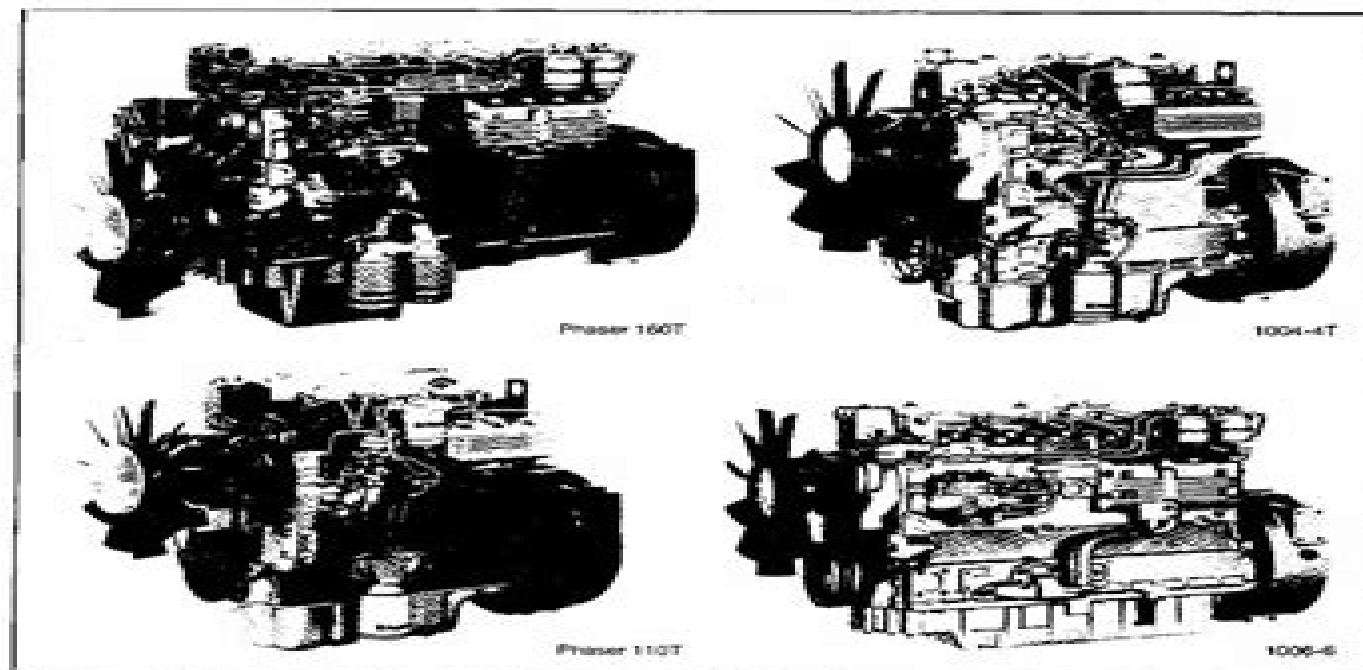
When reference is made to the "left" or "right" side of the engine, this is as seen from the flywheel end of the engine.

Special tools have been made available and a list of these is given in section 25. Reference to the relevant special tools is also made at the beginning of each operation.

Read and remember the "Safety precautions". They are given for your protection and must be used at all times.



A hazard symbol in the text indicates that there is a danger of personal injury if certain operations are not done correctly.



# Perkins Ab Engine Service Manual

**S Marginson**



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