

# **workshop manual for 4.2482, 4.248, T4.236, 4.236, 4.212 & T4.38 diesel engines**

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**Perkins Engines Limited**

Peterborough, England

1993

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Publication No. 601 TPD 0393 1229

This publication supercedes the previous edition numbered 601 TPD 0682 1062.

*This publication is written for world wide use. In territories where legal requirements govern engine smoke emission, noise, safety factors etc., then all instructions, data and dimensions given must be applied in such a way that, after servicing (preventive maintenance) or repairing the engine, it does not contravene the local regulations when in use.*

Published by Technical Publications, Perkins Power Sales and Service Limited, -  
Peterborough, England. PE1 5NA.

4.236 Series Workshop Manual, January 1993.

## Amendment Status

Number	Description	Date
1	Note: Amendment page sets 1 to 4 are included in this publication.	1985-1988
5	To revise and add new information.	Jan. 1993

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| \*Operating and maintenance information can be found in the multi-lingual  
| 4.236 Series Users Handbook.

# Unified Threads and Engine No. Location

All threads used on the 4.2482, 4.248, T4.236, 4.236 and 4.212 Engines except perhaps on proprietary equipment are Unified Series, and American Pipe Series. Later engines use some metric threads.

Unified threads are not interchangeable with B.S.F. and although B.S.W. have the same number of threads per inch as Unified Coarse Series, interchanging is not recommended, due to a difference in thread form.

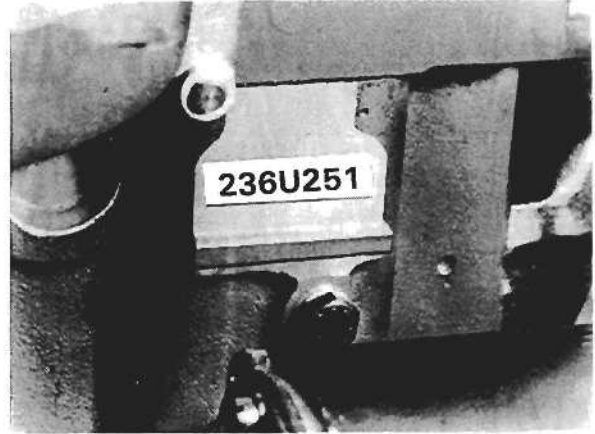
The Engine Number is stamped on the cylinder block as shown in the illustrations. The number position and composition have been changed at various times as detailed below.

Early 4.236 engines (Phase I Type) are stamped on a pad on the right hand side of the cylinder block above the rear end of the tappet cover. The number consists of 7 digits commencing with the figure '4'. Where a letter 'A' follows the engine number, the cylinder block is fitted with  $\frac{3}{8}$ in diameter cylinder head studs.

Later 4.236 engines (Phase II Type) and earlier 4.248 and 4.212 engines are stamped on a pad on the right hand side of the cylinder block above the dynamo or alternator. The number consists of a combination of figures and letters, e.g. 248U251, 236U251 or 212U251. Other letters may be included in the combination, denoting specific information, e.g. a letter 'C' at the end of the number indicates that the engine is fitted with chrome plated cylinder liners.

Current engines numbers are stamped on a label which is fitted to the left hand side of the cylinder block above the fuel injection pump. Some engines also have the engine number stamped at the top of the rear face of the cylinder block. A typical number for this latest system is LD21498U510256D.

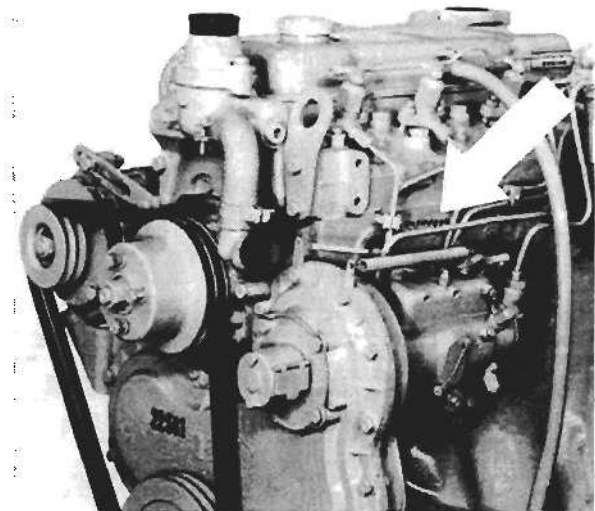
The engine number should be quoted in full and in the correct sequence, together with the type of vehicle or machine in which it is fitted, when requesting information or ordering parts.



Engine Number Location  
(Earlier 4.248, Phase II 4.236 and 4.212 engines)



Engine Number Location  
(4.236 Phase I Type)



Engine Number Location  
(Current Engines)

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**[admin@servicemanualbit.com](mailto:admin@servicemanualbit.com)**