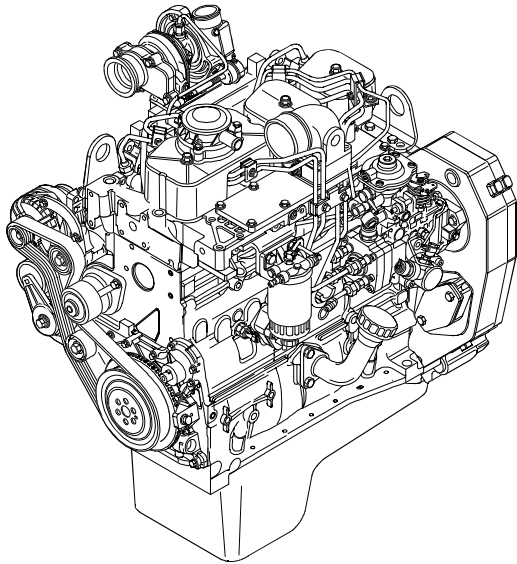
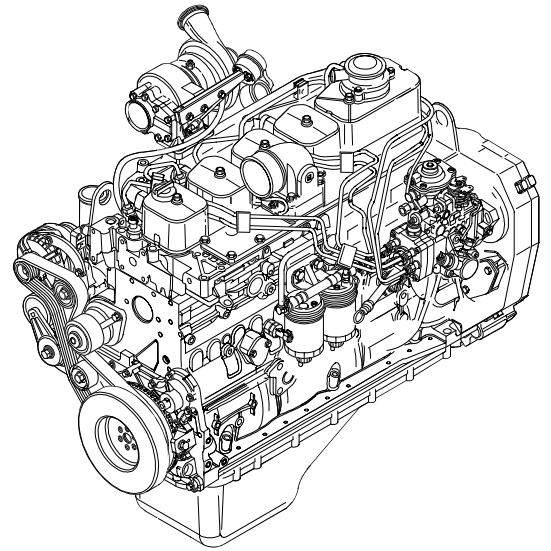

REPAIR MANUAL FOR ENGINES

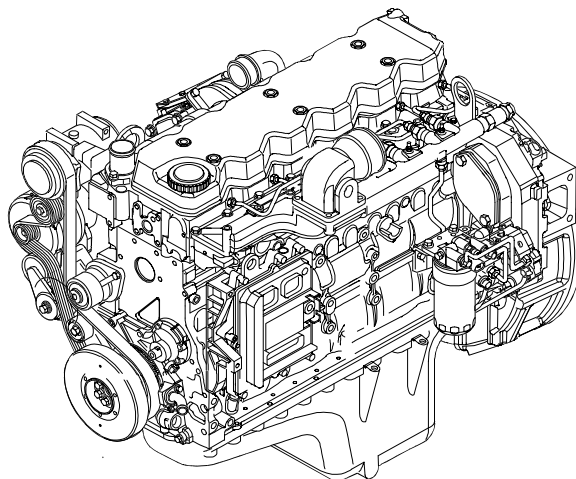
F4GE0484E - F4GE0684F - F4HE0684J



F4GE0484E



F4GE0684F



F4HE0684J

Every information, illustration and specification contained in the present manual is based on the most recent information available at the time of printing.

CNH France S.A. reserves the right, to modify the text at any time without prior communication.

INTRODUCTION

TO THE READER

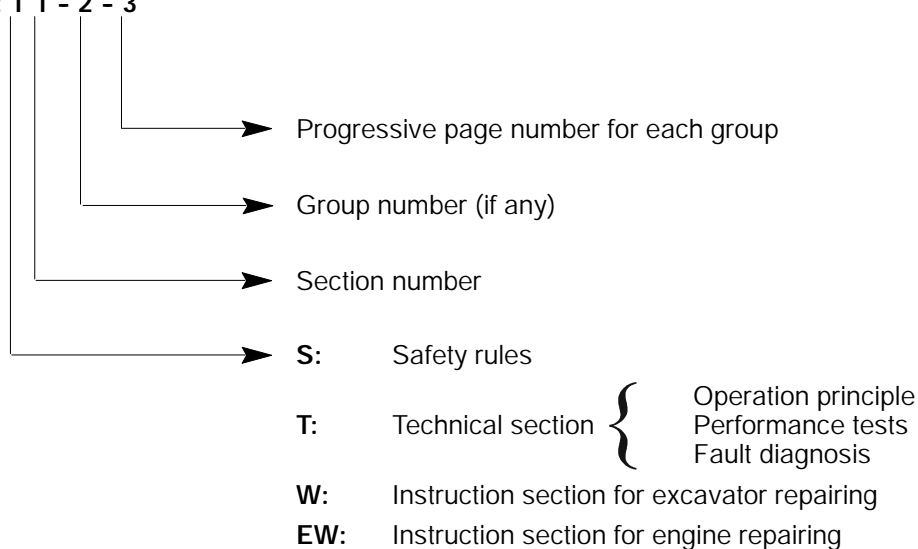
- This manual was written for a skilled technician and contains all the technical information needed to repair this vehicle.
- Read this manual carefully for the information concerning repairing operations.

FURTHER REFERENCES

PAGE NUMBER

- Every page carries a number on the top right corner. Every page contains the following information:

Example: T 1 - 2 - 3



SYMBOLS

This manual contains safety warning symbols and indications referring to possible injuries or vehicle damages.



This symbol regards safety.

Use great care when you see this symbol because possible injuries to the personnel may occur. Strictly observe the precautions marked with this symbol.

The safety warning symbol is used also to draw attention on the weight of a component or an element. Make sure you are always using the right equipment and lifting techniques when handling heavy loads, in order to prevent injuries or damages.

UNIT OF MEASURE

This manual adopts the units of measure based on the International System.

The MKSA system units of measure are indicated within brackets after the units of measure of the International System.

Example: 24.5 Mpa (250 kgf/cm²).

The following table converts the International System units of measure in some of the main units belonging to other systems.

Quantity	To convert from (IS)	in (Others)	Multiply by	Quantity	To convert from (IS)	in (Others)	Multiply by
Length	mm	in	0.03937	Pressure	MPa	kgf/cm ²	10.197
	mm	ft	0.003281		MPa	psi	145.0
Volume	L	US gal	0.2642	Power	kW	PS	1.360
	L	US qt	1.057		kW	HP	1.341
	m ³	yd ³	1.308	Temperature	°C	°F	°C x 1.8 + 32
Mass	kg	lb	2.205	Speed	km/h	mph	0.6214
Force	N	kgf	0.10197		min ⁻¹	rpm	1.0
	N	lbf	0.2248	Capacity	L/min	US gpm	0.2642
Torque	N.m	kgf.m	0.10197		mL/rev	cc/rev	1.0
	N.m	lbf.ft	0.7375				

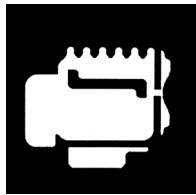
ENGINES

INDEX OF SECTIONS



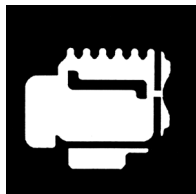
Section 1 - Diagnostics

EW-1-1



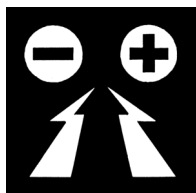
Section 2 - Engine F4GE0484E overhaul

EW-2-1



Section 3 - Engine F4GE0684F - F4HE0684J overhaul

EW-3-1



Section 4 - Recharging and start-up

EW-4-1

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Service Manuals from 2\$