
HYDRAULIC EXCAVATOR

PC290LC-8 PC290NLC-8

Machine model	Serial number
PC290LC-8	K50001 and up
PC290NLC-8	K50001 and up

00 Index and foreword

Index

Organization list of the shop manual	2
Table of contents	4

Table of contents

00 Index and foreword	
Index	UEN00002-01
Organization list of the shop manual	2
Table of contents.....	4
Foreword and general information	UEN00003-00
Foreword and general information	2
Safety notice	2
How to read the shop manual	6
Explanation of terms for maintenance standard	8
Handling electric equipment and hydraulic component	10
How to read electric wire code.....	18
Method of disassembling and connecting push-pull type coupler	21
Standard tightening torque table.....	24
Conversion table.....	28
01 Specification	
Specification and technical data	UEN00004-00
Specification and technical data	2
Specification dimension drawings.....	2
Working range diagram	3
Specifications.....	4
Weight table	6
Table of fuel, coolant and lubricants	8
10 Structure, function and maintenance standard	
Engine and cooling system	UEN00005-00
Engine and cooling system	2
Engine related parts.....	2
Radiator, oil cooler, aftercooler and fuel cooler.....	3
Power train	UEN00006-00
Power train	2
Power train.....	2
Final drive	4
Swing machinery	6
Swing circle.....	8
Undercarriage and frame	UEN00007-00
Undercarriage and frame	2
Track frame and recoil spring	2
Idler.....	4
Carrier roller.....	6
Track roller	7
Track shoe	8
Hydraulic system, Part 1	UEN00008-01
Hydraulic system, Part 1	2
Hydraulic equipment layout drawing.....	2
Hydraulic tank and filter	4
Hydraulic pump.....	6
Pilot oil filter	28
Hydraulic system, Part 2	UEN00009-00
Hydraulic system, Part 2	2
Control valve.....	2
CLSS	13
Functions and operation by valve	18