

Shop Manual

HYDRAULIC
EXCAVATOR

PC200 -8M0
PC200LC-8M0
PC220 -8M0
PC220LC-8M0

SERIAL NUMBERS PC200- 401217
 PC200LC- 401217
 PC220- 101052 and up
 PC220LC- 101052

ccot3

KOMATSU

00 Index and foreword

Table of contents

00 Index and foreword	
Table of contents	00-2
Foreword and general information	00-12
Foreword, safety and general information	00-12
How to read the shop manual	00-19
Explanation of terms for maintenance standard	00-21
Handling equipment of fuel system devices	00-23
Handling of intake system parts.....	00-24
Handling of hydraulic equipment	00-25
Method of disconnecting and connectingof push-pull type coupler	00-27
Handling of electrical equipment.....	00-30
How to read electric wire code.....	00-39
Precautions when performing operation	00-42
Practical use of KOMTRAX	00-45
Standard tightening torque table	00-46
List of abbreviation.....	00-50
Conversion table.....	00-55
01 Specification	
Specification and technical data.....	01-3
Specification dimension drawings.....	01-3
Working range diagram	01-4
Specifications.....	01-5
Weight table	01-9
Table of fuel, coolant and lubricants	01-13
10 Structure, function and maintenance standard	
Engine and cooling system	10-3
Engine related parts.....	10-3
Radiator, oil cooler, aftercooler and fuel cooler	10-4
Power train.....	10-5
Power train.....	10-5
Final drive	10-6
Swing machinery	10-10
Swing circle.....	10-14
Undercarriage and frame	10-16
Track frame and recoil spring	10-16
Idler.....	10-18
Carrier roller.....	10-20
Track roller	10-21
Track shoe	10-22
Hydraulic system.....	10-28
Hydraulic equipment layout drawing	10-28
Hydraulic tank and filter	10-30
Hydraulic pump.....	10-32
Pilot oil filter	10-54
Control valve.....	10-56
CLSS	10-67
Functions and operation by valve	10-71
Swing motor.....	10-112
Center swivel joint.....	10-120
Travel motor.....	10-122

PPC valve.....	10-132
Valve control.....	10-152
Solenoid valve	10-154
PPC accumulator.....	10-156
Return oil filter	10-157
Return oil filter with clogging sensor.....	10-158
Attachment circuit selector valve	10-160
Hydraulic cylinder	10-162
Work equipment.....	10-166
Work equipment	10-166
Dimensions of arm.....	10-174
Dimensions of bucket.....	10-176
Electrical system.....	10-178
Engine control.....	10-178
Electrical control system.....	10-188
Machine monitor system.....	10-211
Sensor	10-230
KOMTRAX system	10-234
Clogging detection system of additional filter for breaker.....	10-237
 20 Standard value table	
Standard service value table.....	20-3
Standard value table for engine related parts	20-3
Standard value table for chassis related parts.....	20-5
 30 Testing and adjusting	
Related information on testing and adjusting.....	30-3
Tools for testing, adjusting, and troubleshooting	30-3
Sketch of special tool.....	30-7
Engine and cooling system.....	30-8
Testing engine speed.....	30-8
Testing intake air pressure (boost pressure)	30-9
Testing exhaust gas color	30-10
Adjusting valve clearance.....	30-11
Testing compression pressure.....	30-13
Testing blowby pressure	30-16
Testing engine oil pressure	30-17
Handling fuel system parts	30-18
Releasing residual pressure from fuel system.....	30-18
Testing fuel pressure	30-19
Handling reduced cylinder mode operation	30-22
Handling no-injection cranking operation	30-22
Testing fuel discharge, return and leak amount.....	30-23
Bleeding air from fuel circuit	30-26
Testing fuel circuit for leakage	30-27
Handling controller high voltage circuit.....	30-28
Testing and adjusting air conditioner compressor belt tension	30-29
Replacing alternator belt.....	30-30
Power train.....	30-31
Testing swing circle bearing clearance	30-31
Undercarriage and frame	30-32
Testing and adjusting track tension	30-32
Hydraulic system	30-34
Testing and adjusting oil pressure in work equipment, swing, and travel circuits	30-34

It's a preview. You can download the full file by
clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$