

Shop Manual

HYDRAULIC
EXCAVATOR

PC210i -10
PC210LCi-10

SERIAL NUMBERS 451080 and up

KOMATSU

SHOP MANUAL

HYDRAULIC EXCAVATOR

PC210I-10
PC210LCI-10

Model Serial Number

PC210I-10 451080 and up
PC210LCI-10

00 Index and foreword

Index

00 Index and foreword	00-1
Index	00-2
Foreword, safety and general information	00-16
Important safety notice	00-16
How to read the shop manual	00-23
Explanation of terms for maintenance standard	00-25
Handling equipment of fuel system devices	00-27
Handling of intake system parts	00-28
Handling of hydraulic equipment	00-29
Method of disconnecting and connecting of push-pull type coupler	00-31
Handling of electrical equipment	00-34
How to read electric wire code	00-42
Precautions when performing operation	00-45
Practical use of KOMTRAX	00-50
Standard tightening torque table	00-51
List of abbreviation	00-57
Conversion table	00-62
01 Specification	01-1
Table of contents	01-2
Specifications	01-3
Specification drawing	01-3
Working range drawings	01-5
Specifications	01-7
Weight table	01-13
Table of fuel, coolant, and lubricants	01-17
10 Structure and function	10-1
Table of contents	10-2
Engine and cooling system	10-3
Engine related parts	10-3
KVTG	10-5
EGR system piping drawing	10-12
EGR system circuit diagram	10-14
EGR valve	10-16
EGR cooler	10-18
KCCV layout drawing	10-20
KCCV ventilator	10-22
KDPF	10-24
Cooling system	10-28
Power train	10-30
Power train system	10-30
Swing circle	10-32
Swing machinery	10-33
Final drive	10-35
Undercarriage and frame	10-37
Track frame and idler cushion	10-37
Hydraulic system	10-39
Hydraulic component layout	10-39
Valve control	10-41
Hydraulic tank	10-43
CLSS	10-45
Main pump	10-50
Control valve	10-76
Swing motor	10-133
Travel motor	10-145
PPC valve	10-158
Solenoid valve	10-181
Attachment circuit selector valve (for high pressure circuit)	10-184

Attachment circuit selector valve (for low pressure circuit).....	10-186
Center swivel joint.....	10-189
Accumulator.....	10-191
EPC valve for intelligent Machine Control.....	10-192
Work equipment.....	10-197
Work equipment.....	10-197
Work equipment shim.....	10-198
Bucket play adjustment shim.....	10-199
Cab and its attachments.....	10-200
Cab mount and cab tipping stopper.....	10-200
ROPS cab.....	10-201
Electrical system.....	10-202
Electrical control system.....	10-202
Machine monitor system.....	10-288
KOMTRAX system.....	10-311
Sensor.....	10-314
20 Standard value tables.....	20-1
Table of contents.....	20-2
Standard service value table.....	20-3
Standard value table for engine.....	20-3
Standard value table for machine.....	20-5
Standard value table for electrical system.....	20-23
30 Testing and adjusting.....	30-1
Table of contents.....	30-2
Related information on testing and adjusting.....	30-3
Tools for testing and adjusting.....	30-3
Sketch of tools for testing and adjusting.....	30-11
Engine and cooling system.....	30-12
Testing engine speed.....	30-12
Testing boost pressure.....	30-13
Testing exhaust gas color.....	30-15
Testing and adjusting valve clearance.....	30-17
Testing compression pressure.....	30-20
Testing blowby pressure.....	30-24
Testing engine oil pressure.....	30-25
Testing EGR valve and KVGT oil pressures.....	30-26
Measuring fuel pressure.....	30-27
Measuring fuel delivery, return and leakage.....	30-33
Bleeding air from fuel system.....	30-38
Testing fuel circuit for leakage.....	30-40
Handling cylinder cutout mode operation.....	30-41
Handling no-injection cranking operation.....	30-42
Testing and adjusting air conditioner compressor belt tension.....	30-43
Replacing fan belt.....	30-45
Power train.....	30-46
Testing swing circle bearing clearance.....	30-46
Undercarriage and frame.....	30-47
Testing and adjusting track tension.....	30-47
Hydraulic system.....	30-48
Releasing remaining pressure from hydraulic circuit.....	30-48
Testing and adjusting oil pressure in work equipment, swing, and travel circuits.....	30-53
Testing oil pressure of control circuit.....	30-57
Testing and adjusting oil pressure in pump PC control circuit.....	30-60
Testing and adjusting oil pressure in pump LS control circuit.....	30-63
Testing output pressure of solenoid valve.....	30-68
Testing PPC valve output pressure.....	30-72
Adjusting play of work equipment and swing PPC valves.....	30-74
Testing pump swash plate sensor.....	30-75
Isolating the parts causing hydraulic drift in work equipment.....	30-76

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

<https://shopservicemanual.com/>

Service Manuals from 2\$