

Shop Manual

HYDRAULIC
EXCAVATOR

PC210LC-11

SERIAL NUMBERS 502361 and up

KOMATSU

00 Index and Foreword

Index

00 Index and Foreword	00-1
Abbreviation List	00-20
Foreword, Safety, Basic Information	00-23
How to Read the Shop Manual	00-23
Safety Notice for Operation	00-25
Precautions to Prevent Fire	00-33
Procedures If Fire Occurs	00-35
Precautions When You Discard Waste Materials	00-36
Procedures for Exhaust Gas Regulations	00-37
Precautions for DEF	00-38
Store DEF	00-39
Precautions When You Handle Hydraulic Equipment	00-40
Precautions When You Disconnect and Connect Pippings	00-43
Precautions When You Handle Electrical Equipment	00-50
Precautions When You Handle Fuel System Equipment	00-52
Precautions When You Handle Intake System Equipment	00-53
Practical Use of KOMTRAX	00-54
Disconnect and Connect Push-Pull Type Coupler	00-55
Precautions for Disconnection and Connection of Connectors	00-59
Disconnect and Connect Deutsch Connector	00-63
How to Disconnect and Connect Slide Lock Type Connector	00-64
Disconnect and Connect Connector with Lock to Pull	00-66
Disconnect and Connect Connector with Lock to Push	00-67
Disconnect and Connect Connector with Housing to Rotate	00-69
How to Read the Codes for Electric Cable	00-70
Explanation of Terms for Maintenance Standard	00-74
Standard Tightening Torque Table	00-77
Conversion Table	00-84
01 Specification	01-1
Table of Contents	01-2
Specifications	01-3
Specification Drawing	01-3
Working Range Drawings	01-5
Specifications	01-6
Weight Table	01-9
Table of Fuel, Coolant, and Lubricants	01-11
10 Structure and Function	10-1
Table of Contents	10-2
Urea SCR System	10-6
Layout Drawing of Urea SCR System	10-7
Urea SCR System Diagram	10-12
Function of Urea SCR System	10-13
Component Parts of Urea SCR System	10-23
Boot-up System	10-32
Layout Drawing of Boot-up System	10-32
System Operating Lamp System	10-34
Battery Isolator	10-36
Engine System	10-37
Layout Drawing of Engine System	10-37
Engine Control System	10-39
Auto-Deceleration System	10-43
Engine Automatic Warm-up System	10-45
Overheat Prevention System	10-47
Turbocharger Protection System	10-50
Automatic Idle Stop System	10-52
Component Parts of Engine System	10-55

Cooling System.....	10-73
Layout Drawing of Cooling System	10-73
Fan Speed Control System of Fan Clutch	10-75
Engine Output Control System of Fan Clutch	10-77
Component Parts of Cooling System	10-79
Control System	10-80
Layout Drawing of Control System	10-80
Machine Monitor System.....	10-83
KomVision System.....	10-85
KOMTRAX System	10-89
PPC Levers.....	10-90
Automatic Grease System.....	10-92
Component Parts of Control System	10-104
Hydraulic System	10-142
Layout Drawing of Hydraulic System.....	10-142
CLSS	10-148
Engine and Pump Combined Control System	10-170
Pump and Valve Control System.....	10-176
Component Parts of Hydraulic System.....	10-179
Work Equipment System.....	10-271
Layout Drawing of Work Equipment System	10-271
Structure of Valve Control	10-276
One-Touch Power Maximizing System	10-278
PPC Lock System	10-280
Work Equipment and Travel Automatic Lock System	10-281
Attachment Oil Flow Adjuster System	10-283
Tool Control System.....	10-285
Component Parts of Work Equipment System	10-287
Swing System	10-319
Layout Drawing of Swing System.....	10-319
Swing Control System Diagram	10-323
Component Parts of Swing System.....	10-327
Travel System	10-341
Layout Drawing of Travel System.....	10-341
System Diagram of Travel Control System.....	10-345
Component Parts of Travel System.....	10-347
Undercarriage and Frame	10-368
Layout Drawing of Undercarriage.....	10-368
Work Equipment	10-370
Structure of Work Equipment	10-370
Function of Work Equipment.....	10-371
Work Equipment Clearance Adjustment Shim.....	10-372
Bucket Clearance Adjustment Shim	10-373
CAB Related Parts.....	10-374
ROPS CAB	10-374
CAB Mount	10-375
CAB Tipping Stopper	10-376
20 Standard Value Table	20-1
Table of Contents	20-2
Standard Value Table for Engine	20-3
Standard Value Table for Engine: PC210LC-11	20-3
Standard Value Table for Machine.....	20-7
Standard Value Table for Machine: PC210LC-11.....	20-7
Machine Posture and Procedures to Measure Performance	20-20
Standard Value Table for Electricity.....	20-24
Standard Value Table for Electricity.....	20-24
30 Testing and Adjusting	30-1
Table of Contents	30-2

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

<https://shopservicemanual.com/>

Service Manuals from 2\$