

Shop Manual

HYDRAULIC
EXCAVATOR

PC210LCi-11

SERIAL NUMBERS 500470 and up

KOMATSU

00 Index and Foreword

Index

00 Index and Foreword	00-1
Abbreviation List	00-23
Foreword, Safety, Basic Information.....	00-29
How to Read the Shop Manual	00-29
Safety Notice for Operation	00-31
Precautions to Prevent Fire.....	00-39
Procedures If Fire Occurs	00-41
Precautions When You Discard Waste Materials.....	00-42
Procedures for Exhaust Gas Regulations.....	00-43
Precautions for DEF.....	00-44
Precautions When You Handle Hydraulic Equipment.....	00-45
Precautions When You Disconnect and Connect Pipings.....	00-48
Precautions When You Handle Electrical Equipment	00-55
Precautions When You Handle Fuel System Equipment	00-57
Precautions When You Handle Intake System Equipment	00-58
Practical Use of KOMTRAX	00-59
Disconnect and Connect Push-Pull Type Coupler	00-60
Precautions for Disconnection and Connection of Connectors	00-64
Disconnect and Connect Deutsch Connector.....	00-68
How to Disconnect and Connect Slide Lock Type Connector	00-69
Disconnect and Connect Connector with Lock to Pull	00-71
Disconnect and Connect Connector with Lock to Push	00-72
Disconnect and Connect Connector with Housing to Rotate	00-74
How to Read the Codes for Electric Cable	00-75
Explanation of Terms for Maintenance Standard	00-79
Standard Tightening Torque Table.....	00-82
Conversion Table	00-89
01 Specification.....	01-1
Table of Contents	01-2
Abbreviation List	01-3
Specifications.....	01-9
Specification Drawing.....	01-9
Working Range Drawings.....	01-11
Specifications.....	01-12
Weight Table	01-15
Table of Fuel, Coolant, and Lubricants	01-17
10 Structure and Function	10-1
Table of Contents	10-2
Abbreviation List	10-6
Urea SCR System.....	10-12
Layout Drawing of Urea SCR System	10-13
Urea SCR System Diagram	10-18
Function of Urea SCR System	10-19
Component Parts of Urea SCR System	10-35
Boot-up System	10-44
Layout Drawing of Boot-up System	10-44
System Operating Lamp System.....	10-46
Battery Disconnect Switch.....	10-48
Engine System.....	10-49
Layout Drawing of Engine System	10-49
Engine Control System	10-51
Auto-Deceleration System.....	10-54
Engine Automatic Warm-up System	10-56
Overheat Prevention System	10-58
Turbocharger Protection System.....	10-61
Automatic Idle Stop System	10-63

Component Parts of Engine System	10-66
Cooling System.....	10-85
Layout Drawing of Cooling System	10-85
Fan Speed Control System of Fan Clutch	10-87
Engine Output Control System of Fan Clutch.....	10-89
Component Parts of Cooling System	10-91
Control System	10-92
Layout Drawing of Control System (Machine with KOMTRAX Terminal)	10-92
Machine Monitor System.....	10-95
KomVision System	10-97
KOMTRAX System	10-101
Component Parts of Control System	10-102
Hydraulic System	10-147
Layout Drawing of Hydraulic System.....	10-147
CLSS	10-153
Engine and Pump Combined Control System	10-175
Pump and Valve Control System.....	10-181
Component Parts of Hydraulic System.....	10-184
Work Equipment System.....	10-272
Layout Drawing of Work Equipment System	10-272
Structure of Valve Control	10-277
One-Touch Power Maximizing System	10-279
PPC Lock System	10-281
Work Equipment and Travel Automatic Lock System	10-282
Attachment Oil Flow Adjuster System	10-284
Tool Control System	10-286
Component Parts of Work Equipment System	10-288
ICT System	10-312
Layout Drawing of ICT System (Applicable Machine: 500470 to 505219)	10-312
System Diagram of ICT Control System.....	10-316
Bucket Edge Position Detection System	10-317
The Intelligent Machine Control System	10-319
Cushion System for Arm IN End.....	10-340
Boom Secondary Drive Switch.....	10-342
Component Parts of ICT System.....	10-343
Swing System	10-376
Layout Drawing of Swing System.....	10-376
Swing Control System Diagram	10-380
Component Parts of Swing System.....	10-384
Travel System	10-400
Layout Drawing of Travel System.....	10-400
System Diagram of Travel Control System.....	10-404
Component Parts of Travel System.....	10-406
Undercarriage and Frame	10-427
Layout Drawing of Undercarriage.....	10-427
Work Equipment	10-429
Structure of Work Equipment	10-429
Function of Work Equipment	10-430
Work Equipment Clearance Adjustment Shim.....	10-431
Bucket Clearance Adjustment Shim	10-432
CAB Related Parts	10-433
ROPS CAB	10-433
CAB Mount	10-434
CAB Tipping Stopper	10-435
20 Standard Value Table	20-1
Table of Contents	20-2
Abbreviation List	20-3
Standard Value Table for Engine	20-9

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

<https://shopservicemanual.com/>

Service Manuals from 2\$