

# Shop Manual

HYDRAULIC  
EXCAVATOR

***PC360LCi-11***

SERIAL NUMBERS 90156 and up

**KOMATSU**



---

# 00 Index and Foreword

---

# Index

00 Index and Foreword .....	00-1
Abbreviation List .....	00-21
Foreword, Safety, Basic Information .....	00-24
How to Read the Shop Manual .....	00-24
Safety Notice for Operation .....	00-26
Precautions to Prevent Fire .....	00-34
Procedures If Fire Occurs .....	00-36
Precautions When You Discard Waste Materials .....	00-37
Procedures for Exhaust Gas Regulations .....	00-38
Precautions for DEF .....	00-39
Store DEF .....	00-40
Precautions When You Handle Hydraulic Equipment .....	00-41
Precautions When You Disconnect and Connect Pipings .....	00-44
Precautions When You Handle Electrical Equipment .....	00-51
Precautions When You Handle Fuel System Equipment .....	00-53
Precautions When You Handle Intake System Equipment .....	00-54
Practical Use of KOMTRAX .....	00-55
Disconnect and Connect Push-Pull Type Coupler .....	00-56
Precautions for Disconnection and Connection of Connectors .....	00-60
Disconnect and Connect Deutsch Connector .....	00-64
How to Disconnect and Connect Slide Lock Type Connector .....	00-65
Disconnect and Connect Connector with Lock to Pull .....	00-67
Disconnect and Connect Connector with Lock to Push .....	00-68
Disconnect and Connect Connector with Housing to Rotate .....	00-70
How to Read the Codes for Electric Cable .....	00-71
Explanation of Terms for Maintenance Standard .....	00-75
Standard Tightening Torque Table .....	00-78
Conversion Table .....	00-85
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 .....	10-6
Urea SCR System Diagram .....	10-10
Function of Urea SCR System .....	10-11
Component Parts of Urea SCR System .....	10-27
Boot-up System .....	10-36
Layout Drawing of Boot-up System .....	10-36
System Operating Lamp System .....	10-38
Battery Disconnect Switch .....	10-40
Engine System .....	10-41
Layout Drawing of Engine System .....	10-41
Engine Control System .....	10-43
Auto-Deceleration System .....	10-46
Engine Automatic Warm-up System .....	10-48
Overheat Prevention System .....	10-50
Turbocharger Protection System .....	10-52
Automatic Idle Stop System .....	10-54
Component Parts of Engine System .....	10-57

Cooling System.....	10-75
Layout Drawing of Cooling System .....	10-75
Control System .....	10-77
Layout Drawing of Control System .....	10-77
Machine Monitor System.....	10-80
KomVision System.....	10-82
KOMTRAX System .....	10-86
Component Parts of Control System .....	10-87
Hydraulic System .....	10-126
Layout Drawing of Hydraulic System.....	10-126
CLSS .....	10-129
Engine and Pump Combined Control System .....	10-153
Pump and Valve Control System.....	10-159
Component Parts of Hydraulic System.....	10-162
Work Equipment System.....	10-255
Layout Drawing of Work Equipment System .....	10-255
Structure of Valve Control .....	10-260
One-Touch Power Maximizing System .....	10-262
Machine Push-up System .....	10-264
PPC Lock System .....	10-266
Work Equipment and Travel Automatic Lock System .....	10-267
Attachment Oil Flow Adjuster System .....	10-269
Tool Control System.....	10-271
Component Parts of Work Equipment System .....	10-273
ICT System .....	10-299
Layout Drawing of ICT System.....	10-299
System Diagram of ICT Control System.....	10-301
Bucket Edge Position Detection System .....	10-302
The Intelligent Machine Control System.....	10-304
Cushion System for Arm IN End.....	10-320
Cushion System for Boom Raise End .....	10-322
Boom Secondary Drive Switch.....	10-324
Component Parts of ICT System.....	10-325
Swing System .....	10-359
Layout Drawing of Swing System.....	10-359
Swing Control System Diagram .....	10-362
Component Parts of Swing System.....	10-366
Travel System .....	10-382
Layout Drawing of Travel System.....	10-382
System Diagram of Travel Control System.....	10-386
Component Parts of Travel System.....	10-388
Undercarriage and Frame .....	10-408
Layout Drawing of Undercarriage.....	10-408
Work Equipment .....	10-410
Structure of Work Equipment .....	10-410
Function of Work Equipment.....	10-411
Work Equipment Clearance Adjustment Shim.....	10-412
Bucket Clearance Adjustment Shim .....	10-413
CAB Related Parts.....	10-414
ROPS CAB .....	10-414
CAB Mount .....	10-415
CAB Tipping Stopper .....	10-416
20 Standard Value Table .....	20-1
Table of Contents .....	20-2
Standard Value Table for Engine .....	20-3
Standard Value Table for Engine: PC360LCI-11 .....	20-3
Standard Value Table for Machine.....	20-8
Standard Value Table for Machine: PC360LCI-11.....	20-8

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

<https://shopservicemanual.com/>

Service Manuals from 2\$