

Shop Manual

HYDRAULIC
EXCAVATOR

PC210 -10M0
PC210LC-10M0

SERIAL NUMBERS C00001 and up

KOMATSU

00 INDEX AND FOREWORD

INDEX

00 INDEX AND FOREWORD	00-1
ABBREVIATION LIST	00-15
FOREWORD, SAFETY, BASIC INFORMATION	00-20
HOW TO READ THE SHOP MANUAL.....	00-20
SAFETY NOTICE FOR OPERATION.....	00-22
PRECAUTIONS TO PREVENT FIRE.....	00-30
ACTIONS IF FIRE OCCURS	00-31
PRECAUTIONS WHEN YOU DISPOSE OF WASTE MATERIALS	00-32
PRECAUTIONS FOR HANDLING HYDRAULIC EQUIPMENT	00-33
PRECAUTIONS WHEN YOU DISCONNECT AND CONNECT PIPINGS	00-36
PRECAUTIONS WHEN YOU HANDLE ELECTRICAL EQUIPMENT.....	00-43
PRECAUTIONS FOR HANDLING FUEL SYSTEM EQUIPMENT	00-45
PRECAUTIONS FOR HANDLING INTAKE SYSTEM EQUIPMENT	00-46
PRACTICAL USE OF KOMTRAX	00-47
DISCONNECT AND CONNECT PUSH-PULL TYPE COUPLER	00-48
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF CONNECTORS	00-52
METHOD FOR DISCONNECTING AND CONNECTING DEUTSCH CONNECTOR	00-56
METHOD FOR DISCONNECTING AND CONNECTING SLIDE LOCK TYPE CONNECTOR	00-57
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PULL ..	00-59
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PUSH ..	00-60
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH HOUSING TO ROTATE .	00-62
HOW TO READ ELECTRICAL WIRE CODE	00-63
EXPLANATION OF TERMS FOR MAINTENANCE STANDARD.....	00-67
STANDARD TIGHTENING TORQUE TABLE.....	00-70
CONVERSION TABLE	00-77
01 SPECIFICATION.....	01-1
CONTENTS	01-2
ABBREVIATION LIST	01-3
SPECIFICATIONS	01-8
SPECIFICATION DRAWING	01-8
WORKING RANGE DRAWINGS	01-11
SPECIFICATIONS	01-14
WEIGHT TABLE	01-20
FUEL, COOLANT AND LUBRICANT TO MEET AMBIENT TEMPERATURE	01-23
10 STRUCTURE AND FUNCTION	10-1
CONTENTS	10-2
ABBREVIATION LIST	10-5
BOOT-UP SYSTEM	10-10
LAYOUT DRAWING OF BOOT-UP SYSTEM.....	10-10
SYSTEM OPERATING LAMP SYSTEM	10-11
BATTERY DISCONNECT SWITCH	10-12
ENGINE SYSTEM	10-13
LAYOUT DRAWING OF ENGINE SYSTEM.....	10-13
ENGINE CONTROL SYSTEM	10-14
AUTO-DECELERATION SYSTEM.....	10-16
ENGINE AUTOMATIC WARM-UP SYSTEM.....	10-18
OVERHEAT PREVENTION SYSTEM.....	10-20
TURBOCHARGER PROTECTION SYSTEM.....	10-23
COOLING SYSTEM.....	10-24
LAYOUT DRAWING OF COOLING SYSTEM	10-24
CONTROL SYSTEM.....	10-26
LAYOUT DRAWING OF CONTROL SYSTEM PARTS.....	10-26
MACHINE MONITOR SYSTEM	10-28
KOMTRAX SYSTEM.....	10-30
CONTROL SYSTEM.....	10-31

HYDRAULIC SYSTEM.....	10-55
LAYOUT DRAWING OF HYDRAULIC SYSTEM	10-55
CLSS	10-58
ENGINE AND PUMP COMBINED CONTROL SYSTEM.....	10-77
PUMP AND VALVE CONTROL SYSTEM	10-82
HYDRAULIC SYSTEM.....	10-85
WORK EQUIPMENT SYSTEM	10-153
LAYOUT DRAWING OF WORK EQUIPMENT SYSTEM	10-153
ONE-TOUCH POWER MAXIMIZING SYSTEM	10-157
PPC LOCK SYSTEM	10-159
ATTACHMENT OIL FLOW ADJUSTER SYSTEM	10-161
WORK EQUIPMENT SYSTEM	10-163
SWING SYSTEM	10-185
LAYOUT DRAWING OF SWING SYSTEM	10-185
SWING CONTROL SYSTEM DIAGRAM	10-187
SWING SYSTEM	10-191
TRAVEL SYSTEM.....	10-203
LAYOUT DRAWING OF TRAVEL SYSTEM.....	10-203
TRAVEL CONTROL SYSTEM DIAGRAM.....	10-205
FUNCTION OF TRAVEL CONTROL SYSTEM	10-206
TRAVEL SYSTEM	10-207
FUNCTION OF SWING CIRCLE.....	10-226
UNDERCARRIAGE AND FRAME.....	10-227
LAYOUT DRAWING OF UNDERCARRIAG	10-227
WORK EQUIPMENT.....	10-229
STRUCTURE OF WORK EQUIPMENT	10-229
WORK EQUIPMENT CLEARANCE ADJUSTMENT SHIM.....	10-230
BUCKET CLEARANCE ADJUSTMENT SHIM	10-231
CAB RELATED PARTS.....	10-232
ROPS CAB	10-232
CAB MOUNT	10-233
CAB TIPPING STOPPER	10-235
20 STANDARD VALUE TABLE	20-1
CONTENTS	20-2
ABBREVIATION LIST	20-3
STANDARD VALUE TABLE FOR ENGINE	20-8
STANDARD VALUE TABLE FOR ENGINE: PC210-10M0	20-8
STANDARD VALUE TABLE FOR ENGINE: PC210LC-10M0	20-12
STANDARD VALUE TABLE FOR MACHINE: PC210-10M0.....	20-16
STANDARD VALUE TABLE FOR MACHINE: PC210LC-10M0	20-30
MACHINE POSTURE AND PROCEDURES TO MEASURE PERFORMANCE	20-44
30 TESTING AND ADJUSTING	30-1
CONTENTS	30-2
ABBREVIATION LIST	30-5
RELATED INFORMATION ON TESTING AND ADJUSTING	30-10
TOOLS FOR TESTING AND ADJUSTING.....	30-10
SKETCH OF TOOLS FOR TESTING AND ADJUSTING	30-15
ENGINE AND COOLING SYSTEM.....	30-17
TEST ENGINE SPEED	30-17
Test boost pressure.....	30-20
TEST EXHAUST GAS COLOR.....	30-23
TEST MASS AIR FLOW AND TEMPERATURE SENSOR.....	30-26
Test and adjust valve clearance	30-28
TEST COMPRESSION PRESSURE.....	30-31
TEST BLOWBY PRESSURE	30-34
TEST ENGINE OIL PRESSURE	30-37
Test fuel pressure.....	30-39
Test fuel discharged volume, return rate, and leakage	30-46

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

<https://shopservicemanual.com/>

Service Manuals from 2\$