

Shop Manual

**HYDRAULIC
EXCAVATOR**

PC290 -11

PC290LC -11

PC290NLC-11

SERIAL NUMBERS K70001 and up

KOMATSU

00 INDEX AND FOREWORD

INDEX

00 INDEX AND FOREWORD	00-1
ABBREVIATION LIST	00-19
FOREWORD, SAFETY, BASIC INFORMATION	00-25
HOW TO READ THE SHOP MANUAL.....	00-25
SAFETY NOTICE FOR OPERATION.....	00-27
PRECAUTIONS TO PREVENT FIRE.....	00-35
ACTIONS IF FIRE OCCURS	00-37
PRECAUTIONS FOR DISPOSING OF WASTE MATERIALS	00-38
ACTIONS TAKEN TO MEET EXHAUST GAS REGULATIONS.....	00-39
PRECAUTIONS FOR DEF.....	00-40
STORE AdBlue/DEF	00-41
PRECAUTIONS FOR HANDLING HYDRAULIC EQUIPMENT	00-42
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF PIPINGS.....	00-45
PRECAUTIONS FOR HANDLING ELECTRICAL EQUIPMENT.....	00-52
PRECAUTIONS FOR HANDLING FUEL SYSTEM EQUIPMENT	00-54
PRECAUTIONS FOR HANDLING INTAKE SYSTEM EQUIPMENT	00-55
PRACTICAL USE OF KOMTRAX	00-56
DISCONNECT AND CONNECT PUSH-PULL TYPE COUPLER	00-57
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF CONNECTORS	00-61
METHOD FOR DISCONNECTING AND CONNECTING DEUTSCH CONNECTOR	00-65
METHOD FOR DISCONNECTING AND CONNECTING SLIDE LOCK TYPE CONNECTOR	00-66
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PULL ...	00-68
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PUSH ..	00-69
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH HOUSING TO ROTATE .	00-71
HOW TO READ ELECTRICAL WIRE CODE	00-72
EXPLANATION OF TERMS FOR MAINTENANCE STANDARD.....	00-76
STANDARD TIGHTENING TORQUE TABLE.....	00-79
CONVERSION TABLE	00-86
01 SPECIFICATIONS	01-1
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
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.....	10-29
BOOT-UP SYSTEM	10-38
LAYOUT DRAWING OF BOOT-UP SYSTEM.....	10-38
SYSTEM OPERATING LAMP SYSTEM	10-40
BATTERY DISCONNECT SWITCH	10-42
ENGINE SYSTEM	10-43
LAYOUT DRAWING OF ENGINE SYSTEM.....	10-43
ENGINE CONTROL SYSTEM	10-45
AUTO-DECELERATION SYSTEM.....	10-48
ENGINE AUTOMATIC WARM-UP SYSTEM.....	10-50
OVERHEAT PREVENTION SYSTEM.....	10-52

TURBOCHARGER PROTECTION SYSTEM	10-55
AUTOMATIC IDLE STOP SYSTEM	10-57
COMPONENT PARTS OF ENGINE SYSTEM	10-60
COOLING SYSTEM.....	10-78
LAYOUT DRAWING OF COOLING SYSTEM	10-78
CONTROL SYSTEM.....	10-80
LAYOUT DRAWING OF CONTROL SYSTEM	10-80
MACHINE MONITOR SYSTEM	10-83
KomVision SYSTEM	10-84
KOMTRAX SYSTEM.....	10-88
PPC LEVERS	10-89
AUTOMATIC GREASE SYSTEM	10-91
COMPONENT PARTS OF CONTROL SYSTEM.....	10-106
HYDRAULIC SYSTEM.....	10-143
LAYOUT DRAWING OF HYDRAULIC SYSTEM	10-143
CLSS	10-149
ENGINE AND PUMP COMBINED CONTROL SYSTEM.....	10-168
PUMP AND VALVE CONTROL SYSTEM	10-174
COMPONENT PARTS OF HYDRAULIC SYSTEM	10-177
WORK EQUIPMENT SYSTEM	10-262
LAYOUT DRAWING OF WORK EQUIPMENT SYSTEM	10-262
STRUCTURE OF VALVE CONTROL.....	10-267
ONE-TOUCH POWER MAXIMIZING SYSTEM	10-269
PPC LOCK SYSTEM	10-271
WORK EQUIPMENT AND TRAVEL AUTOMATIC LOCK SYSTEM	10-272
OIL FLOW ADJUSTER SYSTEM FOR ATTACHMENT.....	10-274
TOOL CONTROL SYSTEM	10-277
COMPONENT PARTS OF WORK EQUIPMENT SYSTEM.....	10-279
SWING SYSTEM.....	10-308
LAYOUT DRAWING OF SWING SYSTEM	10-308
SWING CONTROL SYSTEM DIAGRAM	10-312
COMPONENT PARTS OF SWING SYSTEM.....	10-316
TRAVEL SYSTEM.....	10-330
LAYOUT DRAWING OF TRAVEL SYSTEM.....	10-330
TRAVEL CONTROL SYSTEM DIAGRAM.....	10-334
COMPONENT PARTS OF TRAVEL SYSTEM	10-336
UNDERCARRIAGE AND FRAME.....	10-356
LAYOUT DRAWING OF UNDERCARRIAGE	10-356
WORK EQUIPMENT.....	10-358
STRUCTURE OF WORK EQUIPMENT	10-358
FUNCTION OF WORK EQUIPMENT	10-359
WORK EQUIPMENT CLEARANCE ADJUSTMENT SHIM.....	10-360
BUCKET CLEARANCE ADJUSTMENT SHIM	10-361
CAB AND ITS ATTACHMENTS	10-362
ROPS CAB	10-362
CAB MOUNT	10-363
CAB TIPPING STOPPER	10-364
20 STANDARD VALUE TABLE	20-1
CONTENTS	20-2
ABBREVIATION LIST	20-3
STANDARD VALUE TABLE FOR ENGINE	20-9
STANDARD VALUE TABLE FOR ENGINE: PC290LC-11, PC290NLC-11.....	20-9
STANDARD VALUE TABLE FOR MACHINE.....	20-13
STANDARD VALUE TABLE FOR MACHINE: PC290LC-11, PC290NLC-11	20-13
MACHINE POSTURE AND PROCEDURE FOR MEASURING PERFORMANCE	20-26
STANDARD VALUE TABLE FOR ELECTRICAL	20-30
STANDARD VALUE TABLE FOR ELECTRICAL	20-30
30 TESTING AND ADJUSTING.....	30-1

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

<https://shopservicemanual.com/>

Service Manuals from 2\$