

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC200-8 **PC200LC-8**
PC220-8 **PC220LC-8**

SERIAL NUMBERS

PC200-31001 and up
PC220- 80001

ecot3

⚠ WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

KOMATSU

CONTENTS

FOREWORD ----- 1- 1

 BEFORE READING THIS MANUAL ----- 1- 2

 SAFETY INFORMATION ----- 1- 3

 INTRODUCTION ----- 1- 4

 USE OF MACHINE ----- 1- 4

 DIRECTIONS OF MACHINE ----- 1- 4

 VISIBILITY FROM OPERATOR'S SEAT ----- 1- 4

 PRODUCT INFORMATION ----- 1- 5

 PRODUCT IDENTIFICATION NUMBER (PIN)/MACHINE SERIAL NO. PLATE ----- 1- 5

 EPA REGULATIONS, ENGINE NUMBER PLATE ----- 1- 5

 SERVICE METER LOCATION ----- 1- 6

 YOUR MACHINE SERIAL NUMBERS AND DISTRIBUTOR ----- 1- 6

SAFETY ----- 2- 1

 SAFETY ----- 2- 2

 SAFETY LABELS ----- 2- 5

 LOCATION OF SAFETY LABELS ----- 2- 6

 SAFETY LABELS ----- 2- 7

 GENERAL PRECAUTIONS COMMON TO OPERATION AND MAINTENANCE ----- 2- 13

 PRECAUTIONS BEFORE STARTING OPERATION ----- 2- 13

 PREPARATIONS FOR SAFE OPERATION ----- 2- 13

 FIRE PREVENTION ----- 2- 15

 PRECAUTIONS WHEN GETTING ON OR OFF MACHINE ----- 2- 16

 DO NOT GET CAUGHT IN WORK EQUIPMENT ----- 2- 18

 PRECAUTIONS RELATED TO PROTECTIVE STRUCTURES ----- 2- 18

 PROTECTION AGAINST FALLING, FLYING, INTRUDING OBJECTS ----- 2- 18

 UNAUTHORIZED MODIFICATION ----- 2- 19

 PRECAUTIONS RELATED TO ATTACHMENTS AND OPTIONS ----- 2- 19

 PRECAUTIONS RELATED TO CAB GLASS ----- 2- 19

 PRECAUTIONS WHEN RUNNING ENGINE INSIDE BUILDING ----- 2- 19

 PRECAUTIONS FOR OPERATION ----- 2- 20

 PRECAUTIONS FOR JOBSITE ----- 2- 20

 STARTING ENGINE ----- 2- 22

 OPERATION ----- 2- 24

 TRANSPORTATION ----- 2- 32

 TOWING ----- 2- 33

 LIFTING OBJECTS WITH BUCKET ----- 2- 34

 PRECAUTIONS FOR MAINTENANCE ----- 2- 35

 PRECAUTIONS BEFORE STARTING INSPECTION AND MAINTENANCE ----- 2- 35

 PRECAUTIONS FOR INSPECTION AND MAINTENANCE ----- 2- 39

OPERATION ----- 3- 1

 MACHINE VIEW ILLUSTRATIONS ----- 3- 2

 OVERALL MACHINE VIEW ----- 3- 2

 CONTROLS AND GAUGES ----- 3- 3

 DETAILED CONTROLS AND GAUGES ----- 3- 5

 MONITORING SYSTEM ----- 3- 5

 SWITCHES ----- 3- 71

 CONTROL LEVERS AND PEDALS ----- 3- 76

 SUN ROOF ----- 3- 79

 WINDSHIELD ----- 3- 79

EMERGENCY ESCAPE HAMMER	3- 85
DOOR LOCK	3- 85
CAP WITH LOCK	3- 86
DRINK BOX	3- 88
MAGAZINE BOX	3- 88
ASHTRAY	3- 88
AIR CONDITIONER CONTROLS	3- 89
RADIO	3-102
AUXILIARY ELECTRIC POWER	3-107
FUSE	3-108
FUSIBLE LINK	3-109
CONTROLLER	3-109
TOOL BOX	3-109
GREASE PUMP HOLDER	3-109
FIRE EXTINGUISHER	3-110
MACHINE OPERATIONS AND CONTROLS	3-111
BEFORE STARTING ENGINE	3-111
STARTING ENGINE	3-132
AFTER STARTING ENGINE	3-135
STOPPING THE ENGINE	3-146
MACHINE OPERATION	3-147
STEERING THE MACHINE	3-151
SWINGING	3-153
WORK EQUIPMENT CONTROLS AND OPERATIONS	3-154
WORKING MODE	3-156
PROHIBITED OPERATIONS	3-158
GENERAL OPERATION INFORMATION	3-161
TRAVELING ON SLOPES	3-163
ESCAPE FROM MUD	3-165
RECOMMENDED APPLICATIONS	3-166
BUCKET REPLACEMENT AND INVERSION	3-168
PARKING MACHINE	3-172
MACHINE INSPECTION AFTER DAILY WORK	3-173
LOCKING	3-174
TRANSPORTATION	3-175
TRANSPORTATION PROCEDURE	3-175
LOADING AND UNLOADING WITH TRAILER	3-176
LIFTING MACHINE	3-185
COLD WEATHER OPERATION	3-188
COLD WEATHER OPERATION INFORMATION	3-188
AFTER DAILY WORK COMPLETION	3-190
AFTER COLD WEATHER SEASON	3-190
LONG TERM STORAGE	3-191
BEFORE STORAGE	3-191
DURING STORAGE	3-191
AFTER STORAGE	3-192
STARTING MACHINE AFTER LONG-TERM STORAGE	3-192
TROUBLES AND ACTIONS	3-193
RUNNING OUT OF FUEL	3-193
PHENOMENA THAT ARE NOT FAILURES	3-193