

Shop Manual

HYDRAULIC
EXCAVATOR

PC228US -3E0
PC228USLC-3E0

SERIAL NUMBERS PC228US- 40001 and up
PC228USLC- 40001

ecot3

KOMATSU

HYDRAULIC EXCAVATOR

PC228US-3E0 PC228USLC-3E0

Machine model	Serial number
---------------	---------------

PC228US-3E0	40001 and up
PC228USLC-3E0	40001 and up

00 Index and foreword

Index

Composition of shop manual	2
Table of contents	4

Composition of shop manual

The contents of this shop manual are shown together with Form No. in a list.

Note 1: Always keep the latest version of this manual in accordance with this list and utilize accordingly.

The marks shown to the right of Form No. denote the following:

○: New issue (to be filed additionally) ●: Revision (to be replaced for each Form No.)

Note 2: This shop manual can be supplied for each Form No.

Note 3: To file this shop manual in the special binder for management, handle it as follows:

- Place a divider on the top of each section in the file after matching the Tub No. with No. indicated next to each Section Name shown in the table below:
- File overview and other materials in sections in the order shown below and utilize them accordingly.

Section Title	Form Number
Shop Manual, contents binder, binder label and tabs	SEN01418-10
00 Index and foreword	SEN01419-10
Index	SEN01420-10 ●
Foreword and general information	SEN01421-02
01 Specification	SEN01422-01
Specification and technical data	SEN01423-01
10 Structure, function and maintenance standard	SEN01424-04
Engine and cooling system	SEN01425-00
Power train	SEN01426-00
Undercarriage and frame	SEN01427-00
Hydraulic system, Part 1	SEN01428-00
Hydraulic system, Part 2	SEN01429-01
Hydraulic system, Part 3	SEN01430-01 ●
Work equipment	SEN01431-00
Cab and its attachments	SEN01432-00
Electrical system	SEN01433-03
20 Standard value table	SEN01434-02
Standard service value table	SEN01441-02
30 Testing and adjusting	SEN01435-05
Testing and adjusting, Part 1	SEN01879-04
Testing and adjusting, Part 2	SEN01880-04
Testing and adjusting, Part 3	SEN01881-03
40 Troubleshooting	SEN01436-04
Failure code table and fuse locations	SEN01882-04
General information on troubleshooting	SEN01883-03
Troubleshooting by failure code (Display of code), Part 1	SEN01884-02
Troubleshooting by failure code (Display of code), Part 2	SEN01885-04
Troubleshooting by failure code (Display of code), Part 3	SEN01886-02
Troubleshooting by failure code (Display of code), Part 4	SEN01887-02
Troubleshooting of electrical system (E-mode)	SEN01888-02

Troubleshooting of hydraulic and mechanical system (H-mode)	SEN01889-02
Troubleshooting of engine (S-mode)	SEN01890-03
50 Disassembly and assembly	SEN01437-05
General information on disassembly and assembly	SEN01923-03
Engine and cooling system	SEN01924-04
Power train	SEN01925-01
Undercarriage and frame	SEN01926-02
Hydraulic system	SEN01927-02
Work equipment	SEN01928-01
Cab and its attachments	SEN01929-01
Electrical system	SEN01930-01
90 Diagrams and drawings	SEN01438-02
Hydraulic diagrams and drawings	SEN01439-01
Electrical diagrams and drawings	SEN01440-02

Table of contents

00 Index and foreword	
Index	SEN01420-10
Composition of shop manual	2
Table of contents.....	4
Foreword and general information	SEN01421-02
Safety notice	2
How to read the shop manual.....	7
Explanation of terms for maintenance standard	9
Handling of electric equipment and hydraulic component	11
Handling of connectors newly used for engines	20
How to read electric wire code.....	23
Precautions when carrying out operation	26
Method of disassembling and connecting push-pull type coupler	29
Standard tightening torque table.....	32
Conversion table.....	36
01 Specification	
Specification and technical data	SEN01423-01
Specification dimension drawings.....	2
Working range diagram	3
Specifications	4
Weight table	6
Table of fuel, coolant and lubricants	8
10 Structure, function and maintenance standard	
Engine and cooling system	SEN01425-00
Engine related parts.....	2
Radiator, oil cooler, aftercooler and fuel cooler.....	3
Power train	SEN01426-00
Power train.....	2
Final drive	4
Swing machinery	6
Swing circle.....	8
Undercarriage and frame	SEN01427-00
Track frame.....	2
Idler.....	4
Carrier roller.....	6
Track roller	7
Track shoe	8
Hydraulic system, Part 1	SEN01428-00
Hydraulic equipment layout drawing.....	2
Hydraulic tank	4
Hydraulic pump.....	6
Hydraulic system, Part 2	SEN01429-01
Control valve.....	2
CLSS	14
Functions and operation by valve	18
Merge-divider valve	33
Attachment circuit selector valve	56
Hydraulic drift prevention valve.....	58
Hydraulic system, Part 3	SEN01430-01
Valve control	2
PPC valve	4
PPC Accumulator	22

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

<https://shopservicemanual.com/>

Service Manuals from 2\$