

# Shop Manual

BULLDOZER

**D68ESS-12**

SERIAL NUMBERS

D68ESS- 1001  
D68ESS-J10001

and up

**KOMATSU**



---

# **BULLDOZER**

## **D68ESS-12**

<b>Machine model</b>	<b>Serial number</b>
D68ESS-12	1001 and up J10001 and up

---

## **00 Index and foreword**

### **Index**

---

---

Composition of shop manual .....	2
Table of contents .....	3

## Composition of shop manual

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

Section Title	Form Number
Shop Manual, contents binder, binder label and tabs	SEN01128-07
00 Index and foreword	SEN01129-07
Index	SEN01130-07
Foreword and general information	SEN01131-03
01 Specification	SEN01132-00
Specification and technical data	SEN01133-00
10 Structure, function and maintenance standard	SEN01134-01
Engine and cooling system	SEN01135-00
Power train, Part 1	SEN01136-00
Power train, Part 2	SEN01137-00
Undercarriage and frame	SEN01138-00
Hydraulic system, Part 1	SEN01139-00
Hydraulic system, Part 2	SEN01140-01
Work equipment	SEN01141-00
Electrical system	SEN01142-00
20 Standard value table	SEN01498-01
Standard service value table	SEN01499-01
30 Testing and adjusting	SEN01500-01
Testing and adjusting	SEN01501-01
40 Troubleshooting	SEN01502-01
General information on troubleshooting	SEN01503-01
Troubleshooting of electrical system (E-mode)	SEN01504-01
Troubleshooting of hydraulic and mechanical system (H-mode)	SEN01505-00
Troubleshooting of machine monitor system (M-mode)	SEN01506-01
50 Disassembly and assembly	SEN01507-03
General information on disassembly and assembly	SEN01508-00
Engine and cooling system	SEN01509-00
Power train	SEN01510-02
Undercarriage and frame	SEN01511-01
Hydraulic system	SEN01512-01
Work equipment	SEN01513-02
Cab and its attachments	SEN01514-00
Electrical system	SEN01515-01
90 Diagrams and drawings	SEN01143-01
Hydraulic diagrams and drawings	SEN01144-00
Electrical diagrams and drawings	SEN01145-01

## Table of contents

00 Index and foreword	
Index	SEN01130-07
Composition of shop manual .....	2
Table of contents .....	3
Foreword and general information	SEN01131-03
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	SEN01133-00
Specification and technical data .....	2
Specification drawing.....	2
Specifications.....	4
Weight table.....	8
Table of fuel, coolant and lubricants .....	10
10 Structure, function and maintenance standard	
Engine and cooling system	SEN01135-00
Engine and cooling system .....	2
Radiator, power train, oil cooler .....	2
Engine control.....	4
Power train, Part 1	SEN01136-00
Power train, Part 1 .....	2
Power train system .....	2
Power train skeleton .....	3
Power train unit.....	4
Power train hydraulic piping diagram .....	5
Damper, universal joint .....	6
Torque converter and PTO .....	9
Transmission control.....	14
Transmission .....	15
Transmission control valve .....	24
Main relief valve.....	30
Lubrication relief valve.....	33
Steering and brake control.....	34
Power train, Part 2	SEN01137-00
Power train, Part 2 .....	2
Bevel gear shaft, steering clutch and brake .....	2
Brake valve.....	12
Scavenging pump strainer.....	17
Power train oil strainer .....	18
Power train oil filter .....	19
Final drive .....	20

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

<https://shopservicemanual.com/>

Service Manuals from 2\$