

Shop Manual

WHEEL LOADER

WA500-6

SERIAL NUMBERS 55001 and up

ecot3

KOMATSU

WHEEL LOADER

WA500-6

Machine model	Serial number
WA500-6	55001 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 Tab 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	SEN00236-15
00 Index and foreword	SEN00575-15
Index	SEN00701-15 ●
Foreword and general information	SEN00702-04
01 Specification	SEN00576-02
Specification and technical data	SEN00703-02
10 Structure, function and maintenance standard	SEN00577-06
Engine and cooling system	SEN00704-01
Power train, Part 1	SEN00705-03
Power train, Part 2	SEN00864-02
Steering system	SEN00706-03
Brake system	SEN00707-02
Undercarriage and frame	SEN00708-01
Hydraulic system, Part 1	SEN00709-02
Hydraulic system, Part 2	SEN00875-01
Work equipment	SEN00710-02
Cab and its attachments	SEN00711-01
Electrical system, Part 1	SEN00712-04
Electrical system, Part 2	SEN00713-02
Electrical system, Part 3	SEN00874-02
20 Standard value table	SEN00578-04
Standard service value table	SEN00724-04
30 Testing and adjusting	SEN00579-09
Testing and adjusting, Part 1	SEN00725-07
Testing and adjusting, Part 2	SEN00726-04
Testing and adjusting, Part 3	SEN00727-05
Testing and adjusting, Part 4	SEN00728-06
40 Troubleshooting	SEN00580-06
General information on troubleshooting	SEN00729-01
Troubleshooting by failure code (Display of code), Part 1	SEN00730-01

Troubleshooting by failure code (Display of code), Part 2	SEN00731-02
Troubleshooting by failure code (Display of code), Part 3	SEN00732-03
Troubleshooting by failure code (Display of code), Part 4	SEN00733-03
Troubleshooting by failure code (Display of code), Part 5	SEN00734-02 ●
Troubleshooting by failure code (Display of code), Part 6	SEN00735-01
Troubleshooting by failure code (Display of code), Part 7	SEN00736-01
Troubleshooting by failure code (Display of code), Part 8	SEN00737-01
Troubleshooting by failure code (Display of code), Part 9	SEN00738-01
Troubleshooting by failure code (Display of code), Part 10	SEN00739-01
Troubleshooting of electrical system (E-mode)	SEN00740-02
Troubleshooting of hydraulic and mechanical system (H-mode)	SEN00741-00
Troubleshooting of engine (S-mode)	SEN00742-03
 50 Disassembly and assembly	 SEN00581-04
General information on disassembly and assembly	SEN02022-03
Engine and cooling system, Part 1	SEN02023-03
Engine and cooling system, Part 2	SEN02024-04
Power train, Part 1	SEN02025-03
Power train, Part 2	SEN02026-03
Power train, Part 3	SEN02027-03
Brake system	SEN02028-00
Undercarriage and frame	SEN02029-03
Hydraulic system	SEN02030-03
Work equipment	SEN02031-01
Cab and its attachments	SEN02032-03
Electrical system	SEN02033-03
 90 Diagrams and drawings	 SEN00582-06
Hydraulic diagrams and drawings	SEN00714-04 ●
Electrical diagrams and drawings	SEN00715-03 ●

Table of contents

00 Index and foreword

Index	SEN00701-15
Composition of shop manual	2
Table of contents.....	4
Foreword and general information	SEN00702-04
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	SEN00703-02
Specification and technical data	2
Specification dimension drawing.....	2
Specifications	3
Weight table	6
Table of fuel, coolant and lubricants	8

10 Structure, function and maintenance standard

Engine and cooling system	SEN00704-01
Engine and cooling system	2
Cooling system	2
Engine mount and transmission mount	5
Joint	6
Cooling fan pump.....	8
Cooling fan motor	15
Power train, Part 1	SEN00705-03
Power train, Part 1.....	2
Power train.....	2
Power train system diagram	3
Drive shaft.....	5
Power train piping diagram	8
Torque converter.....	10
Torque converter regulator valve	28
Transmission.....	30
Transfer.....	50
Transmission control valve	52
ECMV	58
Main relief valve and torque converter relief valve	65
Lubrication relief valve	67
Power train, Part 2	SEN00864-02
Power train, Part 2.....	2
Torque converter oil cooler	2
Torque converter oil filter	3
Center support.....	6
Axle	8
Differential.....	10
Limited slip differential	19

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

<https://shop servicemanual.com/>

Service Manuals from 2\$