

Shop Manual

ENGINE

12V140E -3 SERIES

KOMATSU

ENGINE**12V140E-3 Series****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	SEN00291-18
00 Index and foreword	SEN00292-18
Index	SEN00294-18
Foreword and general information	SEN00296-05
01 Specification	SEN00301-04
Specification and technical data	SEN00303-04
10 Structure, function and maintenance standard	SEN00304-07
Structure, function and maintenance standard, Part 1	SEN00307-06
Structure, function and maintenance standard, Part 2	SEN00309-05
20 Standard value table	SEN00310-04
Standard service value table	SEN00311-04
30 Testing and adjusting	SEN00312-04
Testing and adjusting	SEN00313-04
40 Troubleshooting	SEN00314-04
General information on troubleshooting	SEN00315-01
Troubleshooting of mechanical system (S-mode)	SEN00316-01
Troubleshooting of electrical system (E-mode), Part 1	SEN00317-03
Troubleshooting of electrical system (E-mode), Part 2	SEN00318-03
50 Disassembly and assembly	SEN00319-05
General information on disassembly and assembly	SEN00320-03
Disassembly and assembly, Part 1	SEN00321-01
Disassembly and assembly, Part 2	SEN00322-05
Disassembly and assembly, Part 3	SEN00876-03
90 Repair and replacement of parts	SEN05154-03
Information related to repair and replacement	SEN05155-01
Parts related to cylinder head	SEN05156-02
Parts related to cylinder block	SEN05157-01

Table of contents

00 Index and foreword	
Index	SEN00294-18
Composition of shop manual.....	2
Table of contents	3
Foreword and general information	SEN00296-05
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	SEN00303-04
Outline.....	2
Specifications	4
General view	10
Weight table	21
Engine performance curves	22
10 Structure, function and maintenance standard	
Structure, function and maintenance standard, Part 1	SEN00307-06
Air intake and exhaust unit.....	3
Air cleaner	4
Turbocharger.....	6
Aftercooler.....	11
Muffler	12
Cylinder head	14
Cylinder block.....	18
Cylinder liner	22
Main moving parts	24
Crankshaft.....	26
Camshaft.....	28
Cam follower and push rod	29
Piston, piston ring, and piston pin	30
Connecting rod.....	32
Flywheel and flywheel housing	34
Vibration damper	35
Timing gear	36
Valve system	38
Valve and valve guide	40
Rocker arm and shaft.....	42
Crosshead and guide	43
Structure, function and maintenance standard, Part 2	SEN00309-05
Lubrication system	4

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

<https://shopservicemanual.com/>

Service Manuals from 2\$