

# Shop Manual

ENGINE

**170E -5 SERIES**

**KOMATSU**



---

# **ENGINE**

## **170E-5 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 .....	SEN00190-17
00 Index and foreword .....	SEN00191-17
Index .....	SEN00192-17
Foreword and general information .....	SEN00193-05
01 Specification .....	SEN00194-06
Specification and technical data .....	SEN00195-06
10 Structure, function and maintenance standard .....	SEN00196-08
Structure, function and maintenance standard, Part 1 .....	SEN00197-08
Structure, function and maintenance standard, Part 2 .....	SEN00198-06
20 Standard value table .....	SEN00199-06
Standard service value table .....	SEN00367-06
30 Testing and adjusting .....	SEN00200-04
Testing and adjusting .....	SEN00368-04
40 Troubleshooting .....	SEN00201-03
General information on troubleshooting .....	SEN00369-03
Troubleshooting of electrical system (E-mode), Part 1 .....	SEN00371-02
Troubleshooting of electrical system (E-mode), Part 2 .....	SEN00372-01
Troubleshooting of mechanical system (S-mode) .....	SEN00370-02
50 Disassembly and assembly .....	SEN00202-06
General information on disassembly and assembly .....	SEN00765-04
Disassembly and assembly, Part 1 (With EGR) .....	SEN00766-04
Disassembly and assembly, Part 2 (EGR-less) .....	SEN00767-04
Disassembly and assembly, Part 3 .....	SEN00768-02
90 Repair and replacement of parts .....	SEN05193-02
Information related to repair and replacement .....	SEN05194-02
Parts related to cylinder head .....	SEN05195-01
Parts related to cylinder block .....	SEN05196-01

## Table of contents

00 Index and foreword	
Index	SEN00192-17
Composition of shop manual .....	2
Table of contents .....	3
Foreword and general information	SEN00193-05
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	SEN00195-06
Outline .....	2
Specifications .....	6
General view.....	16
Weight table.....	33
Engine performance curves.....	35
10 Structure, function and maintenance standard	
Structure, function and maintenance standard, Part 1	SEN00197-08
Air cleaner .....	4
Turbocharger .....	6
EGR system .....	11
Cylinder head .....	18
Cylinder block .....	22
Cylinder liner.....	26
Main moving parts .....	28
Crankshaft .....	30
Camshaft .....	32
Connecting rod .....	33
Piston, piston ring and piston pin.....	34
Flywheel and flywheel housing.....	35
Vibration damper .....	36
Gear train.....	37
Timing gear.....	42
Valve system .....	46
Valve and valve guide.....	48
Rocker arm and shaft .....	49
Crosshead and guide .....	50
Tappet and push rod.....	51
Structure, function and maintenance standard, Part 2	SEN00198-06
Lubrication system .....	4
Lubrication system diagram.....	4
Oil pump .....	8
Oil filter and safety valve .....	12
Oil cooler .....	13
Fuel system.....	14
CRI system diagram .....	14
Outline of CRI system.....	15

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

<https://shopservicemanual.com/>

Service Manuals from 2\$