

Shop Manual

ENGINE

140E -6 SERIES

KOMATSU

SHOP MANUAL

ENGINE

140E-6 SERIES

Model Serial Number

140E-6
SERIES

00 Index and foreword

00 Index and foreword

Index

Index (ALL-0310-001-A-00-A)

00 Index and foreword	00-1
Index	00-2
Foreword, safety and general information	00-5
Important safety notice	00-5
How to read the shop manual	00-12
Explanation of terms for maintenance standard	00-14
Handling equipment of fuel system devices	00-16
Handling of intake system parts	00-17
Handling of hydraulic equipment	00-18
Method of disconnecting and connecting of push-pull type coupler	00-20
Handling of electrical equipment	00-23
How to read electric wire code	00-31
Precautions when performing operation	00-34
Standard tightening torque table	00-39
List of abbreviation	00-45
Conversion table	00-50
01 Specification	01-1
Table of contents	01-2
General information	01-3
Exhaust gas regulation	01-3
Specifications	01-6
Machine model	01-6
Specifications	01-7
General view	01-10
Weight table	01-23
Engine performance curve	01-24
10 Structure and function	10-1
Table of contents	10-2
Components layout	10-4
Components layout drawing	10-4
Intake and exhaust system parts	10-7
Intake and exhaust system layout drawing	10-7
Intake and exhaust system circuit diagram	10-9
Air cleaner	10-11
KVGT	10-12
Aftercooler	10-18
EGR system piping drawing	10-19
EGR system circuit diagram	10-21
EGR valve	10-22
EGR cooler	10-24
Mixing connector	10-26
KCCV layout drawing	10-27
KCCV ventilator	10-29
KDPF	10-33
Engine main body parts	10-37
Cylinder head	10-37
Cylinder block	10-39
Main moving parts	10-41
Timing gear	10-44
Front cover	10-45
Valve system	10-46
Flywheel and flywheel housing	10-48
Lubrication system	10-49
Lubrication system parts layout drawing	10-49
Lubrication system diagram	10-50
Oil pump	10-51
Boost oil pump	10-53
Oil filter	10-55

Oil cooler.....	10-56
Oil cooler thermo-valve.....	10-58
Oil pan	10-59
Fuel system	10-60
Fuel system parts layout drawing.....	10-60
Fuel system circuit diagram.....	10-62
Outline of CRI system	10-65
Fuel system.....	10-65
Various controls	10-66
Structure and operation of CRI system.....	10-68
Structure and operation of component parts	10-69
Fuel dozing	10-79
Dozing piping drawing.....	10-79
Pre-filter	10-82
Main filter	10-83
Cooling system.....	10-84
Cooling system parts layout drawing.....	10-84
Cooling system circuit diagram.....	10-85
Water pump.....	10-86
Thermostat.....	10-88
Electrical equipment.....	10-90
Alternator	10-90
Alternator mounting	10-93
Starting motor	10-94
Fuel feed pump.....	10-96
Fuel feed pump switch.....	10-97
Engine wiring harness	10-98
Engine controller	10-100
Sensor	10-106
20 Standard value tables.....	20-1
Table of contents	20-2
Standard service value table	20-3
Standard value table for engine	20-3
Running-in standard and performance test standard	20-9
50 Disassembly and assembly	50-1
Table of contents	50-2
Related information on disassembly and assembly	50-3
How to read this manual	50-3
Coating materials list	50-5
Special tools list	50-9
Sketches of special tools	50-11
Disassembly and assembly	50-14
General disassembly of engine	50-14
General assembly of engine.....	50-29
Removal and installation of supply pump.....	50-61
Procedures for replacing engine front oil seal	50-65
Procedures for replacing engine rear oil seal	50-68
60 Maintenance standard.....	60-1
Table of contents	60-2
Intake and exhaust system parts	60-3
KVG.....	60-3
Engine main body parts.....	60-4
Cylinder head	60-4
Cylinder block.....	60-5
Cylinder liner	60-7
Crankshaft.....	60-8
Cam follower and push rod	60-9
Piston	60-10
Connecting rod	60-12

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

<https://shopservicemanual.com/>

Service Manuals from 2\$