

Shop Manual

BULLDOZER

D61EXi -24
D61EXi -24EO
D61PXi-24
D61PXi-24EO

SERIAL NUMBERS

D61EXi-45001

D61PXi-45001

and up

KOMATSU

00 Index and Foreword

Index

00 Index and Foreword	00-1
Foreword, Safety, Basic Information	00-22
How to Read the Shop Manual	00-22
Safety Notice for Operation	00-24
Precautions to Prevent Fire	00-32
Procedures If Fire Occurs	00-34
Precautions for Disposing of Waste Materials	00-35
Procedures for Exhaust Gas Regulations	00-36
Precautions for DEF	00-37
Store DEF	00-38
Precautions When You Handle Hydraulic Equipment	00-39
Precautions When You Disconnect and Connect Pipings	00-42
Precautions When You Handle Electrical Equipment	00-49
Precautions When You Handle Fuel System Equipment	00-51
Precautions When You Handle Intake System Equipment	00-52
Practical Use of KOMTRAX	00-53
Disconnect and Connect Push-Pull Type Coupler	00-54
Precautions for Disconnection and Connection of Connectors	00-58
How to Disconnect and Connect Deutsch Connector	00-62
How to Disconnect and Connect Slide Lock Type Connector	00-63
How to Disconnect and Connect Connector with Lock to Pull	00-65
How to Disconnect and Connect Connector with Lock to Push	00-66
How to Disconnect and Connect Connector with Housing to Rotate	00-68
How to Read the Codes for Electric Cable	00-69
Explanation of Terms for Maintenance Standard	00-73
Standard Tightening Torque Table	00-76
Conversion Table	00-83
Abbreviation List	00-88
01 Specifications	01-1
Table of Contents	01-2
Specifications	01-3
Specification Drawing	01-3
Specifications	01-11
Weight Table	01-32
Fuel, Coolant, Lubricants (For North America)	01-40
Fuel, Coolant, Lubricants (For European Union)	01-42
10 Structure and Function	10-1
Table of Contents	10-2
Urea SCR System	10-6
Layout Drawing of Urea SCR System	10-6
Urea SCR System Diagram	10-9
Function of Urea SCR System	10-10
Component Parts of Urea SCR System	10-26
Boot-up System	10-35
Layout Drawing of Boot-up System	10-35
System Operating Lamp System	10-36
Battery Disconnect Switch	10-38
Engine System	10-40
Layout Drawing of Engine System	10-40
Engine Control System	10-42
Automatic Idle Stop System	10-48
Component Parts of Engine System	10-51
Cooling System	10-70
Layout Drawing of Cooling System	10-70
Cooling Fan Control System	10-72
Component Parts of Cooling System	10-75

Control System	10-85
Layout Drawing of Control System	10-85
Machine Monitor System	10-86
KOMTRAX System	10-87
Component Parts of Control System	10-88
Hydraulic System	10-123
Layout Drawing of Hydraulic System	10-123
CLSS	10-124
Component Parts of Hydraulic System	10-127
Power Train System	10-162
Layout Drawing of HST System	10-162
Operation of HST System	10-163
Steering and Brake Control System	10-165
HST Control System	10-167
Parking Brake Control System	10-178
Component Parts of Power Train System	10-181
Work Equipment System	10-218
Work Equipment Control	10-218
Layout Drawing of Front Work Equipment	10-221
Layout Drawing of Fixed Multi-Shank Ripper	10-222
Component Parts of Work Equipment System	10-223
ICT System	10-242
Layout Drawing of ICT System	10-242
System Diagram of ICT Control System	10-244
Blade Control System	10-246
Assist Control System	10-251
Back Grade Mode System	10-253
Cut Control System	10-255
Smooth Start System	10-268
Slip Control System	10-270
Speed Control System	10-272
Straight Travel Correction System	10-274
Quick Surface Control System	10-278
System of Triangulated Surface from AS-BUILT	10-280
2 Surfaces Selection Control System	10-282
Lift Layer Control System	10-284
2D Laser Machine Control System	10-287
Component Parts of ICT System	10-289
Undercarriage and Frame	10-315
Main Frame	10-315
Suspension	10-316
Track Frame and Idler Cushion	10-319
Work Equipment	10-322
Structure of Front Work Equipment	10-322
Structure of Fixed Multi-Shank Ripper	10-323
CAB Related Parts	10-324
ROPS CAB	10-324
CAB Mount	10-326
20 Standard Value Table	20-1
Table of Contents	20-2
Standard Value Table for Engine	20-3
Standard Value Table for Engine: D61EXI-24	20-3
Standard Value Table for Engine: D61EXI-24E0	20-7
Standard Value Table for Engine: D61PXi-24	20-11
Standard Value Table for Engine: D61PXi-24E0	20-15
Standard Value Table for Machine	20-19
Standard Value Table for Machine: D61EXI-24	20-19
Standard Value Table for Machine: D61EXI-24E0	20-36

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

<https://shopservicemanual.com/>

Service Manuals from 2\$