

Shop Manual

BULLDOZER

D275A-6

SERIAL NUMBERS 180001 and up

KOMATSU

00 Index and Foreword

Index

00 Index and Foreword	00-1
Abbreviation List	00-14
Foreword, Safety, Basic Information	00-20
How to Read the Shop Manual	00-20
Safety Notice for Operation	00-22
Precautions to Prevent Fire	00-30
Procedures If Fire Occurs	00-32
Precautions When You Discard Waste Materials	00-33
Precautions When You Handle Hydraulic Equipment	00-34
Precautions When You Disconnect and Connect Pipings	00-37
Precautions When You Handle Electrical Equipment	00-43
Precautions When You Handle Fuel System Equipment	00-45
Precautions When You Handle Intake System Equipment	00-46
Practical Use of KOMTRAX	00-47
Disconnect and Connect Push-Pull Type Coupler	00-48
Precautions for Disconnection and Connection of Connectors	00-52
How to Disconnect and Connect Deutsch Connector	00-56
How to Disconnect and Connect Slide Lock Type Connector	00-57
How to Disconnect and Connect Connector with Lock to Pull	00-59
How to Disconnect and Connect Connector with Lock to Push	00-60
How to Disconnect and Connect Connector with Housing to Rotate	00-62
How to Read the Codes for Electric Cable	00-63
Explanation of Terms for Maintenance Standard	00-67
Standard Tightening Torque Table	00-70
Conversion Table	00-77
01 Specifications	01-1
Table of Contents	01-2
Specifications	01-3
Specification Drawing	01-3
Specifications	01-5
Weight Table	01-11
Fuel, Coolant, Lubricant	01-13
10 Structure and Function	10-1
Table of Contents	10-2
Boot-up System	10-4
Battery Disconnect Switch	10-4
Engine System	10-6
Layout Drawing of Engine System	10-6
Engine Control System	10-8
Component Parts of Engine System	10-10
Cooling System	10-23
Layout Drawing of Cooling System	10-23
Component Parts of Cooling System	10-25
Control System	10-40
Layout Drawing of Control System	10-40
Machine Monitor System	10-41
Component Parts of Control System	10-44
Hydraulic System	10-78
Layout Drawing of Hydraulic System	10-78
CLSS	10-79
Component Parts of Hydraulic System	10-82
Power Train System	10-115
Layout Drawing of Power Train System	10-115
Operation of Power Train System	10-117
Transmission, Steering, and Brake Control	10-118
Palm Command Control System	10-121

Centralized Pressure Pickup Port.....	10-124
Component Parts of Power Train System.....	10-125
Work Equipment System.....	10-176
Work Equipment Control	10-176
Layout Drawing of Front Work Equipment.....	10-177
Layout Drawing of Variable Giant Ripper.....	10-178
Layout Drawing of Variable Multi-Shank Ripper	10-179
Shoe Slip Control System	10-180
Component Parts of Work Equipment System	10-181
Undercarriage and Frame	10-199
Main Frame.....	10-199
Suspension	10-201
Track Frame and Idler Cushion	10-204
Work Equipment	10-206
Structure of Front Work Equipment	10-206
Structure of Cylinder Stay	10-208
Structure of Variable Giant Ripper.....	10-209
Structure of Variable Multi-Shank Ripper.....	10-210
CAB Related Parts.....	10-211
ROPS.....	10-211
CAB	10-212
CAB Mount	10-213
20 Standard Value Table	20-1
Table of Contents	20-2
Standard Value Table for Engine	20-3
Standard Value Table for Engine: D275A-6	20-3
Standard Value Table for Machine.....	20-9
Standard Value Table for Machine: D275A-6.....	20-9
Machine Posture and Procedures to Measure Performance	20-31
30 Testing and Adjusting.....	30-1
Table of Contents	30-2
Related Information on Testing and Adjusting	30-5
Tools for Testing and Adjusting.....	30-5
Sketch of Tools for Testing and Adjusting	30-10
Engine and Cooling System.....	30-12
Examine Engine Speed.....	30-12
Examine Boost Pressure.....	30-17
Examine Exhaust Gas Temperature	30-20
Examine Exhaust Gas Color	30-24
Examine and Adjust Valve Clearance.....	30-26
Examine Compression Pressure	30-28
Examine Blowby Pressure	30-32
Examine Engine Oil Pressure	30-34
Examine EGR Valve and VGT Oil Pressure	30-36
Examine Fuel Pressure.....	30-38
Examine Fuel Return Rate and Leakage.....	30-40
Bleed Air from Fuel System.....	30-45
Examine Fuel Circuit for Leakage	30-47
Handle Cylinder Cut-out Mode Operation.....	30-49
Handle No-Injection Cranking Operation	30-50
Examine and Adjust Alternator Belt Tension.....	30-51
Examine and Adjust Air Conditioner Compressor Belt Tension	30-53
Adjust Decelerator Pedal	30-54
Power Train.....	30-56
Examine Power Train Oil Pressure.....	30-56
Adjust Transmission Output Shaft Speed Sensor.....	30-73
Examine Brake Performance Simply.....	30-75
Examine and Adjust Brake Pedal	30-76

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

<https://shopservicemanual.com/>

Service Manuals from 2\$