

Shop Manual

BULLDOZER

D61EX -24
D61PX -24

SERIAL NUMBERS D61EX-40001 and up
 D61PX-40001

00 INDEX AND FOREWORD

INDEX

00 INDEX AND FOREWORD	00-1
FOREWORD, SAFETY, BASIC INFORMATION	00-18
HOW TO READ THE SHOP MANUAL	00-18
SAFETY NOTICE FOR OPERATION	00-20
PRECAUTIONS TO PREVENT FIRE	00-28
ACTIONS IF FIRE OCCURS	00-30
PRECAUTIONS FOR DISPOSING OF WASTE MATERIALS	00-31
ACTIONS TAKEN TO MEET EXHAUST GAS REGULATIONS	00-32
PRECAUTIONS FOR DEF	00-33
STORE AdBlue/DEF	00-34
PRECAUTIONS FOR HANDLING HYDRAULIC EQUIPMENT	00-35
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF PIPINGS	00-37
PRECAUTIONS FOR HANDLING ELECTRICAL EQUIPMENT	00-43
PRECAUTIONS FOR HANDLING FUEL SYSTEM EQUIPMENT	00-45
PRECAUTIONS FOR HANDLING 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
METHOD FOR DISCONNECTING AND CONNECTING DEUTSCH CONNECTOR	00-56
METHOD FOR DISCONNECTING AND CONNECTING SLIDE LOCK TYPE CONNECTOR	00-57
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PULL ..	00-59
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PUSH ..	00-60
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH HOUSING TO ROTATE .	00-62
HOW TO READ ELECTRICAL WIRE CODE	00-63
EXPLANATION OF TERMS FOR MAINTENANCE STANDARD	00-67
ABBREVIATION LIST	00-70
STANDARD TIGHTENING TORQUE TABLE	00-75
CONVERSION TABLE	00-82
01 SPECIFICATIONS	01-1
CONTENTS	01-2
SPECIFICATIONS	01-3
SPECIFICATION DRAWING	01-3
SPECIFICATIONS	01-6
WEIGHT TABLE	01-15
TABLE OF FUEL, COOLANT, AND LUBRICANTS	01-19
10 STRUCTURE AND FUNCTION	10-1
CONTENTS	10-2
UREA SCR SYSTEM	10-5
LAYOUT DRAWING OF UREA SCR SYSTEM	10-5
UREA SCR SYSTEM DIAGRAM	10-8
FUNCTION OF UREA SCR SYSTEM	10-9
COMPONENT PARTS OF UREA SCR SYSTEM	10-24
BOOT-UP SYSTEM	10-33
LAYOUT DRAWING OF BOOT-UP SYSTEM	10-33
SYSTEM OPERATING LAMP SYSTEM	10-34
BATTERY DISCONNECT SWITCH	10-36
ENGINE SYSTEM	10-38
LAYOUT DRAWING OF ENGINE SYSTEM	10-38
ENGINE CONTROL SYSTEM	10-40
AUTOMATIC IDLE STOP SYSTEM	10-46
COMPONENT PARTS OF ENGINE SYSTEM	10-49
COOLING SYSTEM	10-68
LAYOUT DRAWING OF COOLING SYSTEM	10-68
COOLING FAN CONTROL SYSTEM	10-70
COMPONENT PARTS OF COOLING SYSTEM	10-73

CONTROL SYSTEM.....	10-83
LAYOUT DRAWING OF CONTROL SYSTEM	10-83
MACHINE MONITOR SYSTEM	10-84
KOMTRAX SYSTEM.....	10-85
COMPONENT PARTS OF CONTROL SYSTEM.....	10-86
HYDRAULIC SYSTEM.....	10-117
LAYOUT DRAWING OF HYDRAULIC SYSTEM	10-117
CLSS	10-118
COMPONENT PARTS OF HYDRAULIC SYSTEM	10-121
POWER TRAIN SYSTEM	10-156
LAYOUT DRAWING OF HST SYSTEM	10-156
OPERATION OF HST SYSTEM.....	10-157
STEERING AND BRAKE CONTROL SYSTEM	10-159
HST CONTROL SYSTEM.....	10-161
GEAR SHIFT CONTROL SYSTEM.....	10-162
PARKING BRAKE CONTROL SYSTEM	10-172
COMPONENT PARTS OF POWER TRAIN SYSTEM.....	10-175
WORK EQUIPMENT SYSTEM	10-212
WORK EQUIPMENT CONTROL	10-212
LAYOUT DRAWING OF FRONT WORK EQUIPMENT	10-215
LAYOUT OF FIXED MULTI-SHANK RIPPER.....	10-216
COMPONENT PARTS OF WORK EQUIPMENT SYSTEM.....	10-217
UNDERCARRIAGE AND FRAME.....	10-236
MAIN FRAME	10-236
SUSPENSION	10-237
TRACK FRAME AND IDLER CUSHION	10-240
WORK EQUIPMENT.....	10-242
STRUCTURE OF FRONT WORK EQUIPMENT.....	10-242
STRUCTURE OF FIXED MULTI-SHANK RIPPER.....	10-243
CAB AND ITS ATTACHMENTS	10-244
ROPS CAB	10-244
CAB MOUNT	10-246
20 STANDARD VALUE TABLE	20-1
CONTENTS	20-2
STANDARD VALUE TABLE FOR ENGINE	20-3
STANDARD VALUE TABLE FOR ENGINE: D61EX-24	20-3
STANDARD VALUE TABLE FOR ENGINE: D61PX-24	20-7
STANDARD VALUE TABLE FOR MACHINE.....	20-11
STANDARD VALUE TABLE FOR MACHINE: D61EX-24	20-11
STANDARD VALUE TABLE FOR MACHINE: D61PX-24	20-27
MACHINE POSTURE AND PROCEDURE FOR MEASURING PERFORMANCE	20-43
30 TESTING AND ADJUSTING.....	30-1
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	30-12
ENGINE AND COOLING SYSTEM.....	30-13
TEST ENGINE SPEED	30-13
TEST BOOST PRESSURE.....	30-16
TEST EXHAUST GAS COLOR.....	30-18
TEST AND ADJUST VALVE CLEARANCE.....	30-22
TEST COMPRESSION PRESSURE.....	30-24
TEST BLOWBY PRESSURE	30-29
TEST ENGINE OIL PRESSURE	30-31
TEST EGR VALVE AND KVGT OIL PRESSURE	30-32
TEST FUEL PRESSURE	30-34
TEST FUEL DISCHARGE, RETURN AND LEAKAGE	30-40
BLEEDING AIR FROM FUEL SYSTEM.....	30-47

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

<https://shopservicemanual.com/>

Service Manuals from 2\$