

# Shop Manual

BULLDOZER

***D37EXi -24***

***D37PXi -24***

***D39EXi -24***

***D39PXi -24***

SERIAL NUMBERS

D37EXi-85001

D37PXi-85001

D39EXi-95001

D39PXi-95001

and up



---

# 00 INDEX AND FOREWORD

---

# INDEX

00 INDEX AND FOREWORD .....	00-1
ABBREVIATION LIST .....	00-20
FOREWORD, SAFETY, BASIC INFORMATION .....	00-26
HOW TO READ THE SHOP MANUAL.....	00-26
SAFETY NOTICE FOR OPERATION.....	00-28
PRECAUTIONS TO PREVENT FIRE.....	00-36
ACTIONS IF FIRE OCCURS .....	00-38
PRECAUTIONS FOR DISPOSING OF WASTE MATERIALS .....	00-39
ACTIONS TAKEN TO MEET EXHAUST GAS REGULATIONS.....	00-40
PRECAUTIONS FOR DEF.....	00-41
STORE AdBlue/DEF .....	00-42
PRECAUTIONS FOR HANDLING HYDRAULIC EQUIPMENT .....	00-43
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF PIPINGS.....	00-46
PRECAUTIONS FOR HANDLING ELECTRICAL EQUIPMENT.....	00-53
PRECAUTIONS FOR HANDLING FUEL SYSTEM EQUIPMENT .....	00-55
PRECAUTIONS FOR HANDLING INTAKE SYSTEM EQUIPMENT .....	00-56
PRACTICAL USE OF KOMTRAX .....	00-57
DISCONNECT AND CONNECT PUSH-PULL TYPE COUPLER .....	00-58
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF CONNECTORS .....	00-62
METHOD FOR DISCONNECTING AND CONNECTING DEUTSCH CONNECTOR .....	00-66
METHOD FOR DISCONNECTING AND CONNECTING SLIDE LOCK TYPE CONNECTOR .....	00-67
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PULL ...	00-69
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PUSH ..	00-70
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH HOUSING TO ROTATE .	00-72
HOW TO READ ELECTRICAL WIRE CODE .....	00-73
EXPLANATION OF TERMS FOR MAINTENANCE STANDARD.....	00-77
STANDARD TIGHTENING TORQUE TABLE.....	00-80
CONVERSION TABLE .....	00-87
01 SPECIFICATIONS .....	01-1
CONTENTS .....	01-2
ABBREVIATION LIST .....	01-3
SPECIFICATIONS .....	01-9
SPECIFICATION DRAWING .....	01-9
SPECIFICATIONS .....	01-15
WEIGHT TABLE .....	01-37
TABLE OF FUEL, COOLANT, AND LUBRICANTS .....	01-48
10 STRUCTURE AND FUNCTION .....	10-1
CONTENTS .....	10-2
ABBREVIATION LIST .....	10-5
UREA SCR SYSTEM.....	10-11
LAYOUT DRAWING OF UREA SCR SYSTEM .....	10-11
UREA SCR SYSTEM DIAGRAM .....	10-13
FUNCTION OF UREA SCR SYSTEM.....	10-14
COMPONENT PARTS OF UREA SCR SYSTEM.....	10-30
BOOT-UP SYSTEM .....	10-39
LAYOUT DRAWING OF BOOT-UP SYSTEM.....	10-39
SYSTEM OPERATING LAMP SYSTEM .....	10-40
BATTERY DISCONNECT SWITCH .....	10-42
ENGINE SYSTEM .....	10-43
LAYOUT DRAWING OF ENGINE SYSTEM.....	10-43
ENGINE CONTROL SYSTEM .....	10-45
AUTOMATIC IDLE STOP SYSTEM .....	10-51
COMPONENT PARTS OF ENGINE SYSTEM .....	10-54
COOLING SYSTEM.....	10-74
LAYOUT DRAWING OF COOLING SYSTEM .....	10-74

COOLING FAN CONTROL SYSTEM.....	10-76
COMPONENT PARTS OF COOLING SYSTEM.....	10-79
CONTROL SYSTEM.....	10-89
LAYOUT DRAWING OF CONTROL SYSTEM .....	10-89
MACHINE MONITOR SYSTEM .....	10-90
KOMTRAX SYSTEM.....	10-92
COMPONENT PARTS OF CONTROL SYSTEM.....	10-94
HYDRAULIC SYSTEM.....	10-126
LAYOUT DRAWING OF HYDRAULIC SYSTEM .....	10-126
CLSS .....	10-127
COMPONENT PARTS OF HYDRAULIC SYSTEM .....	10-130
POWER TRAIN SYSTEM .....	10-164
LAYOUT DRAWING OF HST SYSTEM .....	10-164
OPERATION OF HST SYSTEM.....	10-165
STEERING AND BRAKE CONTROL SYSTEM .....	10-167
HST CONTROL SYSTEM.....	10-169
PARKING BRAKE CONTROL SYSTEM .....	10-182
COMPONENT PARTS OF POWER TRAIN SYSTEM.....	10-185
WORK EQUIPMENT SYSTEM .....	10-221
WORK EQUIPMENT CONTROL .....	10-221
LAYOUT DRAWING OF FRONT WORK EQUIPMENT .....	10-225
LAYOUT OF FIXED MULTI-SHANK RIPPER.....	10-226
COMPONENT PARTS OF WORK EQUIPMENT SYSTEM.....	10-227
ICT SYSTEM .....	10-245
LAYOUT DRAWING OF ICT SYSTEM.....	10-245
ICT CONTROL SYSTEM DIAGRAM.....	10-247
BLADE CONTROL SYSTEM .....	10-249
SMOOTH START SYSTEM .....	10-259
SLIP CONTROL SYSTEM .....	10-262
ASSIST CONTROL SYSTEM .....	10-265
HST SPEED RANGE CONTROL SYSTEM .....	10-268
COMPONENT PARTS OF ICT SYSTEM .....	10-271
UNDERCARRIAGE AND FRAME.....	10-294
MAIN FRAME .....	10-294
TRACK FRAME AND IDLER CUSHION .....	10-295
WORK EQUIPMENT.....	10-298
STRUCTURE OF FRONT WORK EQUIPMENT .....	10-298
STRUCTURE OF FIXED MULTI-SHANK RIPPER.....	10-299
CAB AND ITS ATTACHMENTS .....	10-300
ROPS CAB .....	10-300
CAB MOUNT .....	10-302
20 STANDARD VALUE TABLE .....	20-1
CONTENTS .....	20-2
ABBREVIATION LIST .....	20-3
STANDARD VALUE TABLE FOR ENGINE .....	20-9
STANDARD VALUE TABLE FOR ENGINE: D37EXI-24 .....	20-9
STANDARD VALUE TABLE FOR ENGINE: D37PXI-24 .....	20-12
STANDARD VALUE TABLE FOR ENGINE: D39EXI-24 .....	20-15
STANDARD VALUE TABLE FOR ENGINE: D39PXI-24 .....	20-18
STANDARD VALUE TABLE FOR MACHINE.....	20-21
STANDARD VALUE TABLE FOR MACHINE: D37EXI-24 .....	20-21
STANDARD VALUE TABLE FOR MACHINE: D37PXI-24 .....	20-38
STANDARD VALUE TABLE FOR MACHINE: D39EXI-24 .....	20-53
STANDARD VALUE TABLE FOR MACHINE: D39PXI-24 .....	20-70
MACHINE POSTURE AND PROCEDURE FOR MEASURING PERFORMANCE .....	20-85
30 TESTING AND ADJUSTING .....	30-1
CONTENTS .....	30-2
ABBREVIATION LIST .....	30-6

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

<https://shopservicemanual.com/>

Service Manuals from 2\$