

# Shop Manual

WHEEL LOADER **WA200-8E0**

SERIAL NUMBERS H80401 and up  
95001 and up



---

# 00 INDEX AND FOREWORD

---

# INDEX

00 INDEX AND FOREWORD .....	00-1
FOREWORD, SAFETY, BASIC INFORMATION .....	00-19
HOW TO READ THE SHOP MANUAL .....	00-19
SAFETY NOTICE FOR OPERATION .....	00-21
PRECAUTIONS TO PREVENT FIRE .....	00-29
ACTIONS IF FIRE OCCURS .....	00-31
PRECAUTIONS FOR DISPOSING OF WASTE MATERIALS .....	00-32
ACTIONS TAKEN TO MEET EXHAUST GAS REGULATIONS .....	00-33
PRECAUTIONS FOR DEF .....	00-34
STORE AdBlue/DEF .....	00-35
PRECAUTIONS FOR HANDLING HYDRAULIC EQUIPMENT .....	00-36
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF PIPINGS .....	00-39
PRECAUTIONS FOR HANDLING ELECTRICAL EQUIPMENT .....	00-46
PRECAUTIONS FOR HANDLING FUEL SYSTEM EQUIPMENT .....	00-48
PRECAUTIONS FOR HANDLING INTAKE SYSTEM EQUIPMENT .....	00-49
PRACTICAL USE OF KOMTRAX .....	00-50
DISCONNECT AND CONNECT PUSH-PULL TYPE COUPLER .....	00-51
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF CONNECTORS .....	00-55
METHOD FOR DISCONNECTING AND CONNECTING DEUTSCH CONNECTOR .....	00-59
METHOD FOR DISCONNECTING AND CONNECTING SLIDE LOCK TYPE CONNECTOR .....	00-60
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PULL ..	00-62
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PUSH ..	00-63
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH HOUSING TO ROTATE .	00-65
HOW TO READ ELECTRICAL WIRE CODE .....	00-66
EXPLANATION OF TERMS FOR MAINTENANCE STANDARD .....	00-70
STANDARD TIGHTENING TORQUE TABLE .....	00-73
CONVERSION TABLE .....	00-80
ABBREVIATION LIST .....	00-85
01 SPECIFICATIONS .....	01-1
CONTENTS .....	01-2
SPECIFICATIONS .....	01-3
SPECIFICATION DRAWING .....	01-3
SPECIFICATIONS .....	01-5
WEIGHT TABLE .....	01-10
FUEL, COOLANT, LUBRICANTS (FOR EUROPEAN UNION) .....	01-12
10 STRUCTURE AND FUNCTION .....	10-1
CONTENTS .....	10-2
UREA SCR SYSTEM .....	10-6
LAYOUT DRAWING OF UREA SCR SYSTEM .....	10-6
UREA SCR SYSTEM DIAGRAM .....	10-8
FUNCTION OF UREA SCR SYSTEM .....	10-9
COMPONENT PARTS OF UREA SCR SYSTEM .....	10-18
BOOT-UP SYSTEM .....	10-27
LAYOUT DRAWING OF BOOT-UP SYSTEM .....	10-27
SYSTEM OPERATING LAMP SYSTEM .....	10-29
BATTERY DISCONNECT SWITCH .....	10-30
PREHEATING SYSTEM .....	10-31
ENGINE SYSTEM .....	10-33
LAYOUT DRAWING OF ENGINE SYSTEM .....	10-33
ENGINE CONTROL SYSTEM .....	10-35
AUTOMATIC IDLE STOP SYSTEM .....	10-42
COMPONENT PARTS OF ENGINE SYSTEM .....	10-43
COOLING SYSTEM .....	10-54
LAYOUT DRAWING OF COOLING SYSTEM .....	10-54
COOLING FAN CONTROL SYSTEM .....	10-56

COMPONENT PARTS OF COOLING SYSTEM.....	10-61
CONTROL SYSTEM.....	10-72
LAYOUT DRAWING OF CONTROL SYSTEM .....	10-72
MACHINE MONITOR SYSTEM .....	10-74
REARVIEW MONITOR SYSTEM.....	10-76
KOMTRAX SYSTEM.....	10-77
COMPONENT PARTS OF CONTROL SYSTEM.....	10-78
HYDRAULIC SYSTEM.....	10-124
LAYOUT DRAWING OF HYDRAULIC SYSTEM .....	10-124
COMPONENT PARTS OF HYDRAULIC SYSTEM .....	10-125
POWER TRAIN SYSTEM .....	10-151
LAYOUT DRAWING OF POWER TRAIN SYSTEM.....	10-151
OPERATION OF POWER TRAIN SYSTEM.....	10-153
DIRECTIONAL SELECTOR SWITCH CONTROL FUNCTION.....	10-154
HST CONTROL SYSTEM.....	10-156
HST CHARGE SYSTEM.....	10-158
HST PUMP CONTROL SYSTEM.....	10-159
HST CONTROLLER GEAR SHIFT CONTROL FUNCTION.....	10-161
TRANSFER CLUTCH CONTROL FUNCTION.....	10-164
HST SYSTEM PROTECTION FUNCTION.....	10-165
KOMATSU TRACTION CONTROL SYSTEM (KTCS).....	10-167
COMPONENT PARTS OF POWER TRAIN SYSTEM.....	10-172
WORK EQUIPMENT SYSTEM .....	10-217
LAYOUT DRAWING OF WORK EQUIPMENT SYSTEM .....	10-217
WORK EQUIPMENT CONTROL SYSTEM.....	10-219
WORK EQUIPMENT LOCK SYSTEM.....	10-220
BUCKET POSITIONER SYSTEM.....	10-222
BOOM KICK-OUT SYSTEM .....	10-225
ECSS.....	10-228
COMPONENT PARTS OF WORK EQUIPMENT SYSTEM.....	10-230
STEERING SYSTEM.....	10-242
LAYOUT DRAWING OF STEERING SYSTEM .....	10-242
STEERING COLUMN .....	10-243
COMPONENT PARTS OF STEERING SYSTEM.....	10-244
BRAKE SYSTEM.....	10-260
LAYOUT DRAWING OF BRAKE SYSTEM .....	10-260
PARKING BRAKE CONTROL SYSTEM .....	10-262
COMPONENT PARTS OF BRAKE SYSTEM.....	10-265
AUTO-GREASING SYSTEM .....	10-285
LAYOUT DRAWING OF AUTOMATIC GREASE SYSTEM .....	10-285
SPECIFICATIONS OF AUTOMATIC GREASE SYSTEM.....	10-287
FUNCTION OF AUTO-GREASING SYSTEM .....	10-289
COMPONENT PARTS OF AUTO-GREASING SYSTEM .....	10-290
UNDERCARRIAGE AND FRAME.....	10-291
FRAME, AXLE MOUNT AND CENTER HINGE PIN .....	10-291
TIRE .....	10-294
WORK EQUIPMENT.....	10-296
STRUCTURE OF WORK EQUIPMENT .....	10-296
STRUCTURE OF BUCKET.....	10-297
CAB AND ITS ATTACHMENTS .....	10-298
ROPS CAB .....	10-298
CAB MOUNT .....	10-299
20 STANDARD VALUE TABLE .....	20-1
CONTENTS .....	20-2
STANDARD VALUE TABLE FOR ENGINE .....	20-3
STANDARD VALUE TABLE FOR ENGINE:WA200-8E0 .....	20-3
STANDARD VALUE TABLE FOR MACHINE.....	20-8
STANDARD VALUE TABLE FOR MACHINE:WA200-8E0.....	20-8

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

<https://shopservicemanual.com/>

Service Manuals from 2\$