

Shop Manual

WHEEL LOADER **WA270-8E0**

SERIAL NUMBERS H75551 and up

00 INDEX AND FOREWORD

INDEX

00 INDEX AND FOREWORD	00-1
ABBREVIATION LIST	00-21
FOREWORD, SAFETY, BASIC INFORMATION	00-27
HOW TO READ THE SHOP MANUAL	00-27
SAFETY NOTICE FOR OPERATION	00-29
PRECAUTIONS TO PREVENT FIRE	00-37
ACTIONS IF FIRE OCCURS	00-39
PRECAUTIONS FOR DISPOSING OF WASTE MATERIALS	00-40
ACTIONS TAKEN TO MEET EXHAUST GAS REGULATIONS	00-41
PRECAUTIONS FOR DEF	00-42
STORE AdBlue/DEF	00-43
PRECAUTIONS FOR HANDLING HYDRAULIC EQUIPMENT	00-44
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF PIPINGS	00-47
PRECAUTIONS FOR HANDLING ELECTRICAL EQUIPMENT	00-54
PRECAUTIONS FOR HANDLING FUEL SYSTEM EQUIPMENT	00-56
PRECAUTIONS FOR HANDLING INTAKE SYSTEM EQUIPMENT	00-57
PRACTICAL USE OF KOMTRAX	00-58
DISCONNECT AND CONNECT PUSH-PULL TYPE COUPLER	00-59
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF CONNECTORS	00-63
METHOD FOR DISCONNECTING AND CONNECTING DEUTSCH CONNECTOR	00-67
METHOD FOR DISCONNECTING AND CONNECTING SLIDE LOCK TYPE CONNECTOR	00-68
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PULL ..	00-70
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PUSH ..	00-71
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH HOUSING TO ROTATE .	00-73
HOW TO READ ELECTRICAL WIRE CODE	00-74
EXPLANATION OF TERMS FOR MAINTENANCE STANDARD	00-78
STANDARD TIGHTENING TORQUE TABLE	00-81
CONVERSION TABLE	00-88
01 SPECIFICATIONS	01-1
CONTENTS	01-2
ABBREVIATION LIST	01-3
SPECIFICATIONS	01-9
SPECIFICATION DRAWING	01-9
SPECIFICATIONS	01-11
WEIGHT TABLE	01-16
FUEL, COOLANT, LUBRICANTS (FOR EUROPEAN UNION)	01-18
10 STRUCTURE AND FUNCTION	10-1
CONTENTS	10-2
ABBREVIATION LIST	10-6
UREA SCR SYSTEM	10-12
LAYOUT DRAWING OF UREA SCR SYSTEM	10-12
UREA SCR SYSTEM DIAGRAM	10-14
FUNCTION OF UREA SCR SYSTEM	10-15
COMPONENT PARTS OF UREA SCR SYSTEM	10-32
BOOT-UP SYSTEM	10-41
LAYOUT DRAWING OF BOOT-UP SYSTEM	10-41
SYSTEM OPERATING LAMP SYSTEM	10-43
BATTERY DISCONNECT SWITCH	10-44
PREHEATING SYSTEM	10-45
ENGINE SYSTEM	10-47
LAYOUT DRAWING OF ENGINE SYSTEM	10-47
ENGINE CONTROL SYSTEM	10-49
AUTOMATIC IDLE STOP SYSTEM	10-56
COMPONENT PARTS OF ENGINE SYSTEM	10-57
COOLING SYSTEM	10-76

LAYOUT DRAWING OF COOLING SYSTEM	10-76
COOLING FAN CONTROL SYSTEM.....	10-78
COMPONENT PARTS OF COOLING SYSTEM.....	10-83
CONTROL SYSTEM.....	10-96
LAYOUT DRAWING OF CONTROL SYSTEM	10-96
MACHINE MONITOR SYSTEM	10-98
REARVIEW MONITOR SYSTEM.....	10-100
KOMTRAX SYSTEM.....	10-101
COMPONENT PARTS OF CONTROL SYSTEM.....	10-102
HYDRAULIC SYSTEM.....	10-148
LAYOUT DRAWING OF HYDRAULIC SYSTEM	10-148
CLSS	10-149
COMPONENT PARTS OF HYDRAULIC SYSTEM	10-152
POWER TRAIN SYSTEM	10-200
LAYOUT DRAWING OF POWER TRAIN SYSTEM.....	10-200
OPERATION OF POWER TRAIN SYSTEM.....	10-202
DIRECTIONAL SELECTOR SWITCH CONTROL FUNCTION.....	10-203
HST CONTROL SYSTEM.....	10-205
HST CHARGE SYSTEM.....	10-207
HST PUMP CONTROL SYSTEM.....	10-208
HST CONTROLLER GEAR SHIFT CONTROL FUNCTION.....	10-210
TRANSFER CLUTCH CONTROL FUNCTION.....	10-213
HST SYSTEM PROTECTION FUNCTION.....	10-214
MAXIMUM SPEED LOW FUEL CONSUMPTION CONTROL.....	10-217
KOMATSU TRACTION CONTROL SYSTEM (KTCS).....	10-220
COMPONENT PARTS OF POWER TRAIN SYSTEM.....	10-225
WORK EQUIPMENT SYSTEM	10-272
LAYOUT DRAWING OF WORK EQUIPMENT SYSTEM	10-272
WORK EQUIPMENT CONTROL SYSTEM.....	10-274
WORK EQUIPMENT LOCK SYSTEM.....	10-275
BUCKET POSITIONER SYSTEM.....	10-277
FORK POSITIONER SYSTEM	10-281
REMOTE POSITIONER SYSTEM	10-285
ECSS.....	10-288
COMPONENT PARTS OF WORK EQUIPMENT SYSTEM.....	10-290
STEERING SYSTEM.....	10-305
LAYOUT DRAWING OF STEERING SYSTEM	10-305
STEERING COLUMN	10-306
COMPONENT PARTS OF STEERING SYSTEM.....	10-307
BRAKE SYSTEM.....	10-321
LAYOUT DRAWING OF BRAKE SYSTEM	10-321
PARKING BRAKE CONTROL SYSTEM	10-323
COMPONENT PARTS OF BRAKE SYSTEM.....	10-327
AUTO-GREASING SYSTEM	10-345
LAYOUT DRAWING OF AUTO-GREASING SYSTEM.....	10-345
SPECIFICATIONS OF AUTO-GREASING SYSTEM	10-346
FUNCTION OF AUTO-GREASING SYSTEM	10-347
COMPONENT PARTS OF AUTO-GREASING SYSTEM	10-348
UNDERCARRIAGE AND FRAME.....	10-349
FRAME, AXLE MOUNT AND CENTER HINGE PIN	10-349
TIRE	10-352
WORK EQUIPMENT.....	10-354
STRUCTURE OF WORK EQUIPMENT	10-354
STRUCTURE OF BUCKET.....	10-355
CAB AND ITS ATTACHMENTS	10-356
ROPS CAB	10-356
CAB MOUNT	10-358
20 STANDARD VALUE TABLE	20-1

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

<https://shopservicemanual.com/>

Service Manuals from 2\$