

Shop Manual

WHEEL LOADER

WA270-7

SERIAL NUMBERS 80001 and up

KOMATSU

SHOP MANUAL

WHEEL LOADER

WA270-7

Model Serial Number

WA270-7 80001 and up

00 Index and foreword

Index

00 Index and foreword	00-1
Index	00-2
Foreword, safety and general information	00-17
Important safety notice	00-17
How to read the shop manual	00-24
Explanation of terms for maintenance standard	00-26
Handling equipment of fuel system devices	00-28
Handling of intake system parts	00-29
Handling of hydraulic equipment	00-30
Method of disconnecting and connecting of push-pull type coupler	00-32
Handling of electrical equipment	00-35
How to read electric wire code	00-43
Precautions when performing operation	00-46
Practical use of KOMTRAX	00-51
Standard tightening torque table	00-52
List of abbreviation	00-58
Conversion table	00-63
01 Specification	01-1
Table of contents	01-2
Specifications	01-3
Specification drawing	01-3
Specifications	01-7
Weight table	01-17
Table of fuel, coolant, and lubricants	01-21
10 Structure and function	10-1
Table of contents	10-2
Engine and cooling system	10-4
Engine related parts	10-4
KVTG	10-6
EGR system piping drawing	10-13
EGR system circuit diagram	10-15
EGR valve	10-17
EGR cooler	10-19
KCCV layout drawing	10-20
KCCV ventilator	10-22
KDPF	10-24
Cooling system	10-28
Cooling fan motor	10-30
Power train	10-41
Power train system	10-41
Layout of power train parts	10-43
Damper	10-44
HST pump	10-45
HST motor1	10-58
HST motor2	10-60
Transfer	10-65
Clutch solenoid valve	10-72
Drive shaft	10-74
Axle	10-75
Differential	10-77
Torque proportional differential	10-81
Limited slip differential	10-83
Final drive	10-88
Steering system	10-91
Layout of steering devices	10-91
Steering column	10-92
Priority valve	10-93
Cushion valve	10-97

Emergency steering valve.....	10-98
Orbitrol valve	10-101
2way restrictor valve.....	10-107
Brake system	10-108
Layout of brake parts.....	10-108
Brake accumulator charge valve.....	10-110
Brake valve	10-115
Brake accumulator	10-119
Slack adjuster.....	10-120
Brake	10-122
Parking brake control	10-125
Parking brake	10-126
Parking brake solenoid valve	10-127
Undercarriage and frame.....	10-129
Axle mount	10-129
Center hinge pin	10-131
Tire	10-132
Hydraulic system	10-134
Hydraulic component layout.....	10-134
Work equipment control.....	10-136
Hydraulic tank.....	10-137
Double type gear pump	10-140
Steering and work equipment pump.....	10-141
Control valve	10-153
CLSS.....	10-163
Hydraulic circuit diagram and names of valves.....	10-167
Self-pressure reducing valve.....	10-180
Work equipment PPC valve	10-185
Work equipment lock solenoid valve	10-193
PPC circuit accumulator	10-194
ECSS accumulator.....	10-195
Work equipment	10-196
Work equipment linkage	10-196
Bucket	10-197
Cab and its attachments.....	10-198
ROPS cab.....	10-198
Cab mount	10-200
Electrical system	10-201
Engine control system	10-201
Preheating system	10-204
Engine output limit function	10-206
Automatic warm-up function.....	10-207
Parking brake control system.....	10-208
System operating lamp function.....	10-212
Battery disconnect switch function	10-213
HST controller system.....	10-215
Machine monitor system.....	10-255
Rearview monitor system.....	10-276
KOMTRAX system.....	10-279
System component parts	10-282
Sensor	10-305
20 Standard value tables.....	20-1
Table of contents	20-2
Standard service value table.....	20-3
Standard value table for engine	20-3
Standard value table for machine	20-5
Standard value table for electrical system.....	20-17
30 Testing and adjusting	30-1
Table of contents	30-2

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

<https://shopservicemanual.com/>

Service Manuals from 2\$