

Shop Manual

WHEEL LOADER

WA320-8

SERIAL NUMBERS 85001 and up

KOMATSU

00 Index and Foreword

Index

00 Index and Foreword	00-1
Abbreviation List	00-23
Foreword, Safety, Basic Information	00-29
How to Read the Shop Manual	00-29
Safety Notice for Operation	00-31
Precautions to Prevent Fire	00-39
Procedures If Fire Occurs	00-41
Precautions for Disposing of Waste Materials	00-42
Procedures for Exhaust Gas Regulations	00-43
Precautions for DEF	00-44
Store DEF	00-45
Precautions When You Handle Hydraulic Equipment	00-46
Precautions When You Disconnect and Connect Pipings	00-49
Precautions When You Handle Electrical Equipment	00-56
Precautions When You Handle Fuel System Equipment	00-58
Precautions When You Handle Intake System Equipment	00-59
Practical Use of KOMTRAX	00-60
Disconnect and Connect Push-Pull Type Coupler	00-61
Precautions for Disconnection and Connection of Connectors	00-65
How to Disconnect and Connect Deutsch Connector	00-69
How to Disconnect and Connect Slide Lock Type Connector	00-70
How to Disconnect and Connect Connector with Lock to Pull	00-72
How to Disconnect and Connect Connector with Lock to Push	00-73
How to Disconnect and Connect Connector with Housing to Rotate	00-75
How to Read the Codes for Electric Cable	00-76
Explanation of Terms for Maintenance Standard	00-80
Standard Tightening Torque Table	00-83
Conversion Table	00-90
01 Specifications	01-1
Table of Contents	01-2
Abbreviation List	01-3
Specifications	01-9
Specification Drawing	01-9
Specifications	01-11
Weight Table	01-16
Table of Fuel, Coolant, and Lubricants	01-18
10 Structure and Function	10-1
Table of 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 (Machine with KOMTRAX Terminal)	10-41
Layout Drawing of Boot-up System (Machine with Gateway Function Controller)	10-43
System Operating Lamp System	10-45
Battery Disconnect Switch	10-48
Preheating System	10-49
Engine System	10-51
Layout Drawing of Engine System	10-51
Engine Control System	10-54
Automatic Idle Stop System	10-66
Component Parts of Engine System	10-67
Cooling System	10-87

Layout Drawing of Cooling System	10-87
Cooling Fan Control System	10-89
Component Parts of Cooling System	10-94
Control System	10-107
Layout Drawing of Control System (Machine with KOMTRAX Terminal)	10-107
Layout Drawing of Control System (Machine with Gateway Function Controller)	10-109
Machine Monitor System.....	10-111
Rearview Monitor System	10-114
KOMTRAX System	10-115
Component Parts of Control System	10-117
Hydraulic System	10-166
Layout Drawing of Hydraulic System.....	10-166
CLSS	10-167
Component Parts of Hydraulic System.....	10-170
Power Train System.....	10-218
Layout Drawing of Power Train System	10-218
Operation of Power Train System	10-220
Directional Selector Switch Control Function.....	10-221
HST Control System	10-223
HST Charge System	10-225
HST Pump Control System	10-226
HST Controller Gear Shift Control Function	10-228
Transfer Clutch Control Function.....	10-231
HST System Protection Function	10-232
Maximum Speed Low Fuel Consumption Control.....	10-237
Komatsu Traction Control System (KTCS)	10-240
Component Parts of Power Train System.....	10-246
Work Equipment System.....	10-294
Layout Drawing of Work Equipment System	10-294
Work Equipment Control System	10-296
Work Equipment Lock System	10-297
Bucket Positioner System	10-299
Fork Positioner System	10-303
Remote Positioner System.....	10-307
ECSS.....	10-310
Component Parts of Work Equipment System	10-312
Steering System.....	10-327
Layout Drawing of Steering System	10-327
Steering Column	10-328
Component Parts of Steering System	10-329
Brake System.....	10-342
Layout Drawing of Brake System	10-342
Parking Brake Control System	10-344
Component Parts of Brake System	10-348
Auto-Greasing System	10-366
Layout Drawing of Auto-Greasing System.....	10-366
Specifications of Auto-Greasing System	10-367
Function of Auto-Greasing System.....	10-369
Auto-Greasing System	10-370
Undercarriage and Frame	10-371
Frame, Axle Mount and Center Hinge Pin	10-371
Tires.....	10-376
Work Equipment	10-378
Structure of Work Equipment	10-378
Structure of Bucket.....	10-379
CAB Related Parts.....	10-380
ROPS CAB	10-380
CAB Mount	10-382

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

<https://shopservicemanual.com/>

Service Manuals from 2\$