

Shop Manual

WHEEL LOADER

WA320-8E0

SERIAL NUMBERS 86025 and up

KOMATSU

00 Index and Foreword

Index

00 Index and Foreword	00-1
Abbreviation List	00-22
Foreword, Safety, Basic Information	00-28
How to Read the Shop Manual	00-28
Safety Notice for Operation	00-30
Precautions to Prevent Fire	00-38
Procedures If Fire Occurs	00-40
Precautions for Disposing of Waste Materials	00-41
Procedures for Exhaust Gas Regulations	00-42
Precautions for DEF	00-43
Store DEF	00-44
Precautions When You Handle Hydraulic Equipment	00-45
Precautions When You Disconnect and Connect Pipings	00-48
Precautions When You Handle Electrical Equipment	00-55
Precautions When You Handle Fuel System Equipment	00-57
Precautions When You Handle Intake System Equipment	00-58
Practical Use of KOMTRAX	00-59
Disconnect and Connect Push-Pull Type Coupler	00-60
Precautions for Disconnection and Connection of Connectors	00-64
How to Disconnect and Connect Deutsch Connector	00-68
How to Disconnect and Connect Slide Lock Type Connector	00-69
How to Disconnect and Connect Connector with Lock to Pull	00-71
How to Disconnect and Connect Connector with Lock to Push	00-72
How to Disconnect and Connect Connector with Housing to Rotate	00-74
How to Read the Codes for Electric Cable	00-75
Explanation of Terms for Maintenance Standard	00-79
Standard Tightening Torque Table	00-82
Conversion Table	00-89
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
Fuel, Coolant, Lubricants (for European Union and Turkey)	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	10-26
Boot-up System	10-35
Layout Drawing of Boot-up System	10-35
System Operating Lamp System	10-37
Battery Disconnect Switch	10-38
Preheating System	10-39
Engine System	10-41
Layout Drawing of Engine System	10-41
Engine Control System	10-44
Automatic Idle Stop System	10-51
Component Parts of Engine System	10-52
Cooling System	10-72
Layout Drawing of Cooling System	10-72

Cooling Fan Control System	10-74
Component Parts of Cooling System	10-79
Control System	10-92
Layout Drawing of Control System	10-92
Machine Monitor System.....	10-94
Rearview Monitor System	10-96
KOMTRAX System	10-97
Component Parts of Control System	10-98
Hydraulic System	10-145
Layout Drawing of Hydraulic System.....	10-145
CLSS	10-146
Component Parts of Hydraulic System.....	10-149
Power Train System.....	10-197
Layout Drawing of Power Train System	10-197
Operation of Power Train System	10-199
Directional Selector Switch Control Function.....	10-200
HST Control System	10-202
HST Charge System	10-204
HST Pump Control System	10-205
HST Controller Gear Shift Control Function	10-207
Transfer Clutch Control Function.....	10-210
HST System Protection Function	10-211
Maximum Speed Low Fuel Consumption Control.....	10-214
Komatsu Traction Control System (KTCS)	10-217
Component Parts of Power Train System.....	10-223
Work Equipment System.....	10-271
Layout Drawing of Work Equipment System	10-271
Work Equipment Control System	10-273
Work Equipment Lock System	10-274
Bucket Positioner System	10-276
Fork Positioner System	10-280
Remote Positioner System.....	10-284
ECSS.....	10-287
Component Parts of Work Equipment System	10-289
Steering System.....	10-304
Layout Drawing of Steering System	10-304
Steering Column	10-305
Component Parts of Steering System	10-306
Brake System.....	10-319
Layout Drawing of Brake System	10-319
Parking Brake Control System	10-321
Component Parts of Brake System	10-325
Auto-Greasing System	10-343
Layout Drawing of Auto-Greasing System.....	10-343
Specifications of Auto-Greasing System	10-344
Function of Auto-Greasing System.....	10-346
Auto-Greasing System	10-347
Undercarriage and Frame	10-348
Frame, Axle Mount and Center Hinge Pin	10-348
Tires.....	10-351
Work Equipment	10-353
Structure of Work Equipment	10-353
Structure of Bucket.....	10-354
CAB Related Parts.....	10-355
ROPS CAB	10-355
CAB Mount	10-356
20 Standard Value Table	20-1
Table of Contents	20-2

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

<https://shopservicemanual.com/>

Service Manuals from 2\$