

Shop Manual



WHEEL LOADER

WA475-11

WA475-11E0

WA485-11

WA485-11E0

SERIAL NUMBERS

WA475-130001

WA485-140001

and up

KOMATSU

00 Index and Foreword

Index

00 Index and Foreword	00-1
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
Engine Technology to Conform Exhaust Gas Emission	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	00-70
How to Disconnect and Connect Slide Lock Type Connector	00-71
How to Disconnect and Connect Connector with Lock to Pull	00-78
How to Disconnect and Connect Connector with Lock to Push	00-79
How to Disconnect and Connect Connector with Housing to Rotate	00-82
How to Read the Codes for Electric Cable	00-83
Explanation of Terms for Maintenance Standard	00-87
Standard Tightening Torque Table	00-90
Conversion Table	00-97
Abbreviation List	00-102
01 Specifications	01-1
Table of Contents	01-2
Specifications	01-3
Specification Drawing	01-3
Specifications	01-11
Weight Table	01-31
Fuel, Coolant, Lubricants (WA475-11, WA485-11)	01-39
Fuel, Coolant, Lubricants (WA475-11E0)	01-41
Fuel, Coolant, Lubricants (WA485-11E0)	01-43
10 Structure and Function	10-1
Table of Contents	10-2
Urea SCR System	10-7
Layout Drawing of Urea SCR System	10-7
Urea SCR System Diagram	10-9
Function of Urea SCR System	10-10
Component Parts of Urea SCR System	10-25
Boot-up System	10-34
Layout Drawing of Boot-up System	10-34
System Operating Lamp System	10-36
Battery Disconnect Switch	10-38
Preheating System	10-39
Starter Signal Unit System	10-41
Remote Courtesy Lights System	10-44
Engine System	10-46
Layout Drawing of Engine System	10-46
Engine Control System	10-49
Component Parts of Engine System	10-54
Cooling System	10-63

Layout Drawing of Cooling System	10-63
Cooling Fan Control System	10-65
Component Parts of Cooling System	10-70
Control System	10-85
Layout Drawing of Control System	10-85
Machine Monitor System.....	10-87
Rearview Monitor System	10-89
KOMTRAX System	10-90
Load Meter System	10-91
Rear Object Detection System	10-96
Component Parts of Control System	10-103
Hydraulic System	10-168
Layout Drawing of Hydraulic System.....	10-168
CLSS	10-169
Work Equipment Pump and Steering Pump Control System	10-173
Component Parts of Hydraulic System.....	10-174
Total Control System	10-247
System Diagram of Total Control System	10-247
Independent Work Equipment Control Function	10-248
Power Mode Selector Function	10-250
Overheat Prevention Function.....	10-251
Output Limitation Function for Low Temperature	10-252
Work Equipment Speed Level.....	10-253
Power Train System.....	10-254
Layout Drawing of Power Train System	10-254
Operation of Power Train System	10-256
HST Charge System	10-257
Pump Motor Control System	10-258
Transmission Gear Shift Control System.....	10-260
Transmission Protection Function	10-262
Directional Selector Switch Control Function.....	10-263
Traction Control System.....	10-265
KHMT System.....	10-268
Component Parts of Power Train System.....	10-277
Work Equipment System.....	10-324
Layout Drawing of Work Equipment System	10-324
Work Equipment Control System	10-326
Work Equipment Neutral Lock System	10-332
Remote Positioner System.....	10-334
Automatic Bucket Shake System	10-339
Bucket Positioner and Boom Positioner	10-340
Auto-Digging System	10-341
ECSS	10-344
Component Parts of Work Equipment System	10-346
Steering System.....	10-359
Layout Drawing of Steering System (Steering Wheel Specification).....	10-359
Layout Drawing of Steering System (AFJS Specification)	10-361
Secondary Steering System.....	10-363
AFJS	10-365
AFJS System	10-367
Steering Column	10-373
Component Parts of Steering System	10-374
Brake System.....	10-402
Layout Drawing of Brake System	10-402
Parking Brake Control System	10-404
Component Parts of Brake System	10-406
Auto-Greasing System	10-429
Layout Drawing of Auto-Greasing System.....	10-429

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

<https://shop servicemanual.com/>

Service Manuals from 2\$