

Shop Manual

ARTICULATED
DUMP TRUCK

HM300-5E0

SERIAL NUMBERS 20001 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	01-17
Table of Fuel, Coolant, and Lubricants	01-19
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	10-15
Function of Urea SCR System	10-16
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
Engine System	10-50
Layout Drawing of Engine System	10-50
Automatic Idle Stop System	10-53
Component Parts of Engine System	10-55
Cooling System	10-73
Layout Drawing of Cooling System	10-73
Radiator Fan Control System	10-76

Aftercooler Fan Control System	10-78
Component Parts of Cooling System	10-80
Control System	10-105
Layout Drawing of Control System (Machine with KOMTRAX Terminal)	10-105
Layout Drawing of Control System (Machine with Gateway Function Controller)	10-107
Retarder and Hoist Control System	10-109
Machine Monitor System	10-111
Rearview Monitor System	10-114
KOMTRAX System	10-115
Payload Meter System	10-117
Component Parts of Control System	10-131
Hydraulic System	10-190
Layout Drawing of Hydraulic System	10-190
Component Parts of Hydraulic System	10-192
Power Train System	10-215
Layout Drawing of Power Train System	10-215
Transmission Control System	10-218
Gear Shift Control System	10-224
Shift Hold System	10-227
Direction Control System	10-228
Komatsu Traction Control System (KTCS)	10-229
Component Parts of Power Train System	10-232
Work Equipment System	10-288
Work Equipment Control	10-288
Hoist Control	10-290
Component Parts of Work Equipment System	10-292
Steering System	10-299
Layout Drawing of Steering System	10-299
Function of Steering System	10-300
Steering Column	10-301
Component Parts of Steering System	10-302
Brake System	10-314
Layout Drawing of Brake System	10-314
Retarder Control	10-315
Parking Brake Interlock Function	10-318
ARAC System	10-319
Component Parts of Brake System	10-320
Undercarriage and Frame	10-349
Front Suspension	10-349
Center and Rear Suspensions	10-351
Suspension Cylinder	10-354
Oscillation Hitch	10-357
Work Equipment	10-359
Structure of Work Equipment	10-359
Function of Work Equipment	10-360
CAB Related Parts	10-361
ROPS CAB	10-361
CAB Tilt	10-363
20 Standard Value Table	20-1
Table of Contents	20-2
Abbreviation List	20-3
Standard Value Table for Engine	20-9
Standard Value Table for Engine: HM300-5E0	20-9
Standard Value Table for Machine	20-13
Standard Value Table for Machine: HM300-5E0	20-13
Machine Posture and Procedures to Measure Performance	20-27
Standard Value Table for Electricity	20-28
Standard Value Table for Electricity	20-28

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

<https://shopservicemanual.com/>

Service Manuals from 2\$