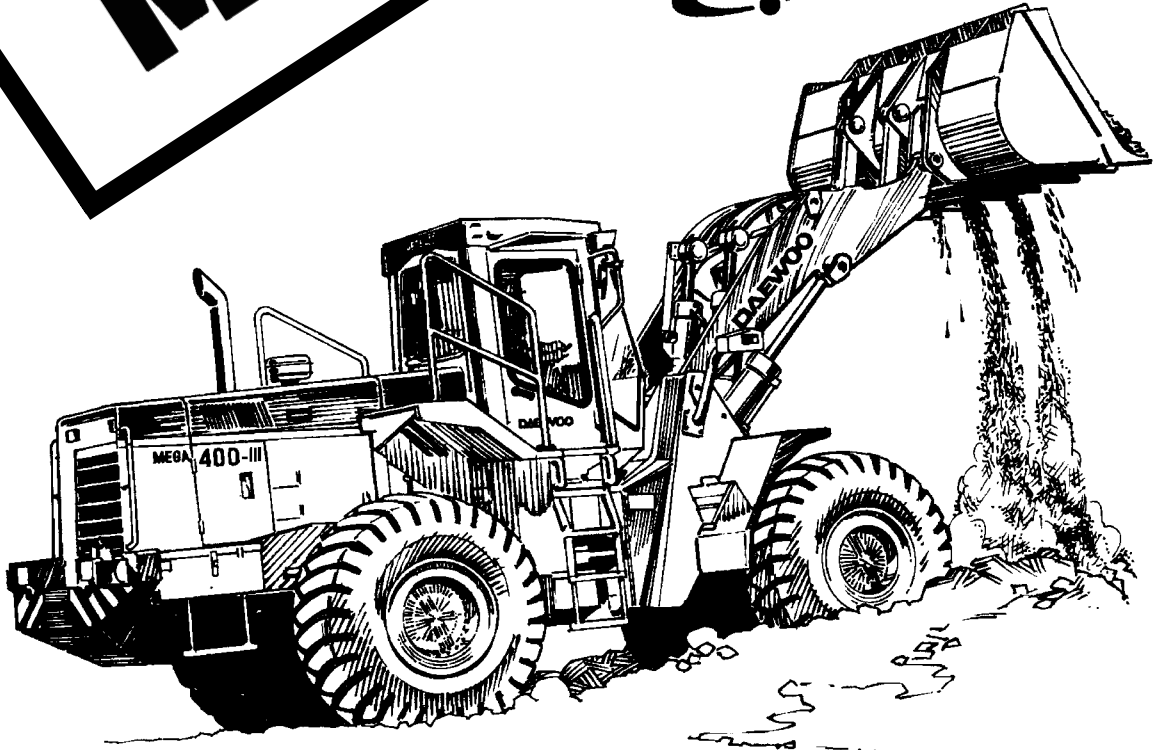




MEGA 300-III

MECHATROPIA™



D A E W O O W H E E L L O A D E R

Shop Manual

TABLE OF CONTENTS

SAFETY

To the Operator of a Daewoo Wheel Loader	1-1
Basic Wheel Loader Operating Safety	1-1
General Safety Essentials	1-1
Locations of Safety Labels	1-2
Summary of Safety Precautions for Lifting	1-5
Operation	1-7
Equipment	1-10
Maintenance	1-11
Shipping and Transportation	1-13

SPECIFICATIONS

Component Locations	2-1
General Specifications	2-2
Excavator Engine Specifications	2-3
Engine Performance Curves	2-4
Working Range and Dimensions	2-5
Working Capacities	2-7
Approximate Weight of Workload Materials	2-8

INSPECTION, MAINTENANCE AND ADJUSTMENT

Preventive Maintenance	3-1
Safety Precautions	3-1
Maintenance Intervals	3-2
Table of Recommended Lubricants	3-3
Inspection and Maintenance	3-4
Daily or Every 10 Operating Hours	3-7
Weekly or Every 50 Operating Hours	3-10
Every 250 Operating Hours	3-12
Every 500 Operating Hours	3-13
Every 1,000 Operating Hours	3-13
Every 1,500 Operating Hours	3-18
Annually or Every 2,000 Operating Hours	3-18
Severe Conditions Maintenance	3-20
General Maintenance	3-21
Check Hydraulic Pressures	3-22
Tires and Wheels	3-25
Electrical System	3-26
Bolt Torque Chart	3-27
Long Term Storage	3-28

TORQUE CONVERTER AND TRANSMISSION

Drive Train	4-1
Transmission	4-2
Transmission Troubleshooting	4-5
Control Valve	4-7
Second Gear Valve	4-12
Transmission WG-180 Control Valve	4-18
Transmission Disassembly	4-21

Transmission Assembly	4-42
Power Disengagement Gearbox	4-82
Differential Type Output Gearing	4-87
WK Torque Converter	4-98
WK Converter Clutch Valve	4-109
 POWER STEERING	
Power Steering System	5-1
Steering System Troubleshooting	5-5
Steering Unit	5-6
Priority Valve	5-19
 AXLES	
Front and Rear Axles	6-1
Axle Troubleshooting	6-2
Front Axle Housing	6-3
Axle Differential	6-4
Planetary Gear Set	6-7
Parking Brake	6-9
Rear Axle	6-11
Brake System	6-13
 HYDRAULIC SYSTEM	
Hydraulic Circuits Description	7-1
Hydraulic Pump	7-3
Hydraulic Circuits and Components	7-18
Manually Controlled Pilot Valve	7-23
Automatic Bucket Return-to-Dig System	7-24
Automatic Boom Kick-out System	7-25
Automatic Boom Float System	7-25
Hydraulic Cylinders	7-27
Accumulator	7-40
Hydraulic System Schematic	7-45
 ENGINE	
Engine Specifications (D2366T)	8-1
Valve Adjustment Sequence	8-2
Engine Cylinder Compression Test	8-2
Wear Limits of Major Engine Components	8-2
Engine Oil Pump Overhaul and Rebuilding	8-7
Fuel Injection Pump Installation, Alignment and Timing	8-9
Cylinder Head Bolt Torque Requirements	8-11
 ELECTRICAL SYSTEM	
Electrical Schematic	9-1
24 Volt Operation	9-1
Wiring Color Code for Electrical Schematic Diagrams	9-1
Engine Start Circuit	9-2
Engine Stop Motor	9-4
Engine Intake Preheat Circuit	9-6
Windshield Wiper Circuit	9-8
Electrical System Schematic	9-11
 INDEX	
	10-1

Please Click Here To Download The Complete Manual
Download Other Manuals
If Having Any Questions Feel Free To Contact us

admin@servicemanualbit.com