



DAEWOO WHEEL LOADER

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
	3-20
TORQUE CONVERTER AND TRANSMISSION	4.4
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

Mega 300-III Shop Manual

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

ii