

SECTION 1 GENERAL

Group 1 Safety Hints	1-1
Group 2 Specifications	1-9

SECTION 2 STRUCTURE AND FUNCTION

Group 1 Pump Device	2-1
Group 2 Main Control Valve	2-6
Group 3 Swing Device	2-28
Group 4 Travel Device	2-38
Group 5 RCV Lever	2-44
Group 6 RCV pedal	2-51
Group 7 Brake pedal (valve)	2-52
Group 8 Gear box	2-54
Group 9 Axle	2-57

SECTION 3 HYDRAULIC SYSTEM

Group 1 Hydraulic Circuit	3-1
Group 2 Main Circuit	3-4
Group 3 Pilot Circuit	3-7
Group 4 Single Operation	3-12
Group 5 Combined Operation	3-27

SECTION 4 ELECTRICAL SYSTEM

Group 1 Component Location	4-1
Group 2 Monitoring system	4-3
Group 3 Electrical Circuit	4-47
Group 4 Electrical Component Specification	4-67
Group 5 Connectors	4-76
Group 6 Fault codes	4-95

SECTION 5 TROUBLESHOOTING

Group 1 Before Troubleshooting	5-1
Group 2 Hydraulic and Mechanical System	5-4
Group 3 Electrical System	5-23
Group 4 Axle	5-37
Group 5 Air Conditioner and Heater system	5-40

SECTION 6 MAINTENANCE STANDARD

Group 1 Operational Performance Test	6-1
Group 2 Major Components	6-19

SECTION 7 DISASSEMBLY AND ASSEMBLY

Group 1 Precaution	7-1
Group 2 Tightening Torque	7-4
Group 3 Pump Device	7-7
Group 4 Main Control Valve	7-41
Group 5 Swing Device	7-56
Group 6 Travel Device	7-76
Group 7 Gear box	7-100
Group 8 Steering valve	7-135
Group 9 Axle	7-156
Group 10 RCV Lever	7-301
Group 11 Turning Joint	7-315
Group 12 Boom, Arm and Bucket Cylinder	7-320
Group 13 Work Equipment	7-335