

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	2-9
Group 3 Swing Device	2-31
Group 4 Travel Device	2-41
Group 5 RCV Lever	2-50

SECTION 3 HYDRAULIC SYSTEM

Group 1 Hydraulic Circuit	3-1
Group 2 Main Circuit	3-2
Group 3 Pilot Circuit	3-5
Group 4 Single Operation	3-10
Group 5 Combined Operation	3-25

SECTION 4 ELECTRICAL SYSTEM

Group 1 Component Location	4-1
Group 2 Monitoring system	4-3
Group 3 Electrical Circuit	4-63
Group 4 Electrical Component Specification	4-80
Group 5 Connectors	4-87
Group 6 Fault codes	4-104

SECTION 5 TROUBLESHOOTING

Group 1 Before Troubleshooting	5-1
Group 2 Hydraulic and Mechanical System	5-4
Group 3 Electrical System	5-24

SECTION 6 MAINTENANCE STANDARD

Group 1 Operational Performance Test	6-1
Group 2 Major Components	6-21
Group 3 Track and Work Equipment	6-30

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	7-38
Group 5 Swing Device	7-51
Group 6 Travel Device	7-72
Group 7 RCV Lever	7-100
Group 8 Turning Joint	7-114
Group 9 Boom, Arm and Bucket Cylinder	7-119
Group 10 Undercarriage	7-138
Group 11 Work Equipment	7-150

SECTION 8 COMPONENT MOUNTING TORQUE

Group 1 Introduction Guide	8-1
Group 2 Engine System	8-2
Group 3 Electric System	8-4
Group 4 Hydraulic System	8-5
Group 5 Undercarriage	8-7
Group 6 Structure	8-8
Group 7 Work Equipment	8-10