

CONTENTS

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	2-5
Group 3 Swing Device	2-7
Group 4 Travel Device	2-17

SECTION 3 HYDRAULIC AND ELECTRICAL SYSTEM

Group 1 Hydraulic Circuit	3-1
Group 2 Monitoring system	3-2
Group 3 Electrical Circuit	3-22
Group 4 Error codes	3-35

SECTION 4 TROUBLESHOOTING

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

SECTION 5 MAINTENANCE STANDARD

Group 1 Operational Performance Test	5-1
Group 2 Major Components	5-21
Group 3 Track and Work Equipment	5-30

SECTION 6 DISASSEMBLY AND ASSEMBLY

Group 1 Precaution	6-1
Group 2 Tightening Torque	6-4
Group 3 Main Control Valve	6-6
Group 4 Swing Device	6-20
Group 5 Travel Device	6-41
Group 6 RCV Lever	6-67
Group 7 Turning Joint	6-81
Group 8 Boom, Arm and Bucket Cylinder	6-86
Group 9 Undercarriage	6-104
Group 10 Work Equipment	6-116
ERROR CODES TABLE	6-120