

# 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 .....	2-10
Group 3 Swing Device .....	2-43
Group 4 Travel Device .....	2-47
Group 5 RCV Lever .....	2-63
Group 6 RCV Pedal .....	2-75

## 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 .....	3-24

## SECTION 4 ELECTRICAL SYSTEM

Group 1 Component Location .....	4-1
Group 2 Monitoring system .....	4-3
Group 3 Electrical Circuit .....	4-32
Group 4 Electrical Component Specification .....	4-50
Group 5 Connectors .....	4-59

## 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 .....	6-29

## **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 .....	7-31
Group 5 Swing Device .....	7-41
Group 6 Travel Device .....	7-53
Group 7 RCV Lever .....	7-91
Group 8 Turning Joint .....	7-115
Group 9 Boom, Arm and Bucket Cylinder .....	7-120
Group 10 Undercarriage .....	7-140
Group 11 Work Equipment .....	7-153