

## 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 .....	2-8
Group 3 Swing Device .....	2-37
Group 4 Travel Device .....	2-47
Group 5 RCV Lever .....	2-58
Group 6 RCV Pedal .....	2-65

## 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 .....	3-9
Group 5 Combined Operation .....	3-21

## SECTION 4 ELECTRICAL SYSTEM

Group 1 Component Location .....	4-1
Group 2 Monitoring system .....	4-3
Group 3 Electrical Circuit .....	4-9
Group 4 Electrical Component Specification .....	4-21
Group 5 Connectors .....	4-27

## 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 .....	6-20
Group 3 Track and Work Equipment .....	6-31

## **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 .....	7-22
Group 5 Swing Device .....	7-36
Group 6 Travel Device .....	7-54
Group 7 RCV Lever .....	7-84
Group 8 Turning Joint .....	7-98
Group 9 Boom, Arm and Bucket Cylinder .....	7-103
Group 10 Undercarriage .....	7-123
Group 11 Work Equipment .....	7-134

## **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