

## 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 .....	4-16
Group 4 Electrical Component Specification .....	4-32
Group 5 Connectors .....	4-39

## 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