

CONTENTS

Foreword	0-1	7. Operation in the special work sites	4-15
Before servicing this machine	0-2	8. Normal operation of excavator	4-17
EC regulation approved	0-3	9. Attachment lowering	4-18
Table to enter S/No and distribution	0-4	10. Storage	4-19
Safety labels	0-5	11. RCV lever operating pattern	4-21
Machine data plate	0-13	12. Handling the rubber tracks	4-23
Guide (direction, S/No, Symbol)	0-14		
1. SAFETY RULES		5. TRANSPORTATION	
1. California proposition 65	1-1	1. Preparation for transportation	5-1
2. Safety rules	1-2	2. Loading the machine	5-2
2. SPECIFICATIONS		3. Fixing the machine	5-4
1. Major components	2-1	4. Loading and unloading by crane	5-5
2. Specifications	2-2	5. Dimension and weight	5-6
3. Working range	2-3	6. MAINTENANCE	
4. Weight	2-4	1. Instruction	6-1
5. Lifting capacities	2-5	2. Tightening torque	6-5
6. Bucket selection guide	2-7	3. Fuel, coolant and lubricants	6-8
7. Undercarriage	2-8	4. Maintenance check list	6-10
8. Specification for major components	2-9	5. Maintenance chart	6-15
9. Recommended oils	2-12	6. Service instruction	6-17
3. CONTROL DEVICES		7. Electrical system	6-34
1. Canopy devices	3-1	7. TROUBLESHOOTING GUIDE	
2. Cluster	3-2	1. Engine	7-1
3. Switches	3-6	2. Electrical system	7-2
4. Levers and pedals	3-8	3 Others	7-3
5. Others	3-11	8. HYDRAULIC BREAKER	
4. OPERATION		1. Selecting hydraulic breaker	8-1
1. Suggestion for new machine	4-1	2. Circuit configuration	8-2
2. Check before starting the engine	4-2	3. Maintenance	8-3
3. Starting and stop the engine	4-3	4. Precaution when operating the breaker	8-4
4. Operation of the working device	4-7	5. Quick clamp	8-6
5. Traveling of the machine	4-8		
6. Efficient working method	4-11		