

CONTENTS

Foreword	0-1	6. Traveling of the machine	4-13	
Before servicing this machine	0-2	7. Efficient working method	4-16	
Table to enter S/No and distribution	0-3	8. Operation in the special work sites	4-20	
Safety labels	0-4	9. Normal operation of excavator	4-22	
Machine data plate	0-16	10. Attachment lowering	4-23	
Guide (direction, S/No, symbol)	0-17	11. Storage	4-24	
SAFETY HINTS		12. RCV lever operating pattern	4-26	
1. Before operating the machine	1-1	13. Switching hydraulic attachment circuit	4-27	
2. During operating the machine	1-6	TRANSPORTATION		
3. During maintenance	1-13	1. Preparation for transportation	5-1	
4. Parking	1-16	2. Dimension and weight	5-2	
SPECIFICATIONS		3. Loading the machine	5-4	
1. Major components	2-1	4. Fixing the machine	5-6	
2. Specifications	2-2	5. Loading and unloading by crane	5-7	
3. Working range	2-3	MAINTENANCE		
4. Weight	2-4	1. Instruction	6-1	
5. Lifting capacities	2-5	2. Tightening torque	6-6	
6. Bucket selection guide	2-6	3. Fuel, coolant and lubricants	6-9	
7. Undercarriage	2-7	4. Maintenance check list	6-11	
8. Specification for major components	2-9	5. Maintenance chart	6-16	
9. Recommended oils	2-12	6. Service instruction	6-18	
CONTROL DEVICES		7. Electrical system	6-41	
1. Cab devices	3-1	8. Air conditioner and heater	6-44	
2. Cluster	3-2	TROUBLESHOOTING GUIDE		
3. Switches	3-23	1. Engine	7-1	
4. Levers and pedals	3-28	2. Electrical system	7-2	
5. Air conditioner and heater	3-30	3. Others	7-3	
6. Others	3-37	HYDRAULIC BREAKER AND QUICK CLAMP		
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 while operating the breaker	8-4	
4. Mode selection system	4-7	5. Quick clamp	8-6	
5. Operation of the working device	4-12	INDEX		9-1