

CONTENTS

Foreword	0-1	5. Maintenance chart	4-16
Before servicing this machine	0-2	6. Service instruction	4-19
Table to enter S/No and distribution	0-3	7. Electrical system	4-52
Machine data plate	0-4	8. Air conditioner and heater	4-55
Guide (direction, S/No, symbol)	0-5		
SAFETY HINTS			
1. Safety instructions	1-2	1. Preparation for transportation	5-1
2. Safety labels	1-31	2. Dimension and weight	5-2
OPERATION			
1. Instruction for new machine	2-1	3. Loading the machine	5-10
2. Check before starting the engine	2-2	4. Fixing the machine	5-12
3. Starting and stopping the engine	2-3	5. Loading and unloading by crane	5-13
4. Mode selection system	2-7		
5. Operation of the working device	2-12		
6. Traveling of the machine	2-13		
7. Efficient working method	2-16		
8. Operation in the special work sites	2-20		
9. Normal operation of excavator	2-22		
10. Attachment lowering	2-23		
11. Storage	2-24		
12. RCV lever operating pattern	2-26		
CONTROL DEVICES			
1. Cab devices	3-1	1. Major components	7-1
2. Cluster	3-2	2. Specifications	7-2
3. Switches	3-33	3. Working range	7-6
4. Levers and pedals	3-38	4. Weight	7-10
5. Air conditioner and heater	3-39	5. Lifting capacities	7-11
6. Others	3-43	6. Bucket selection guide	7-25
MAINTENANCE			
1. Instruction	4-1	7. Undercarriage	7-32
2. Tightening torque	4-6	8. Specification for major components	7-34
3. Fuel, coolant and lubricants	4-10	9. Recommended oils	7-37
4. Maintenance check list	4-11		
HYDRAULIC BREAKER AND QUICK CLAMP			
1. Selecting hydraulic breaker	8-1		
2. Circuit configuration	8-2		
3. Maintenance	8-3		
4. Precaution while operating the breaker	8-4		
5. Quick clamp	8-6		
INDEX 9-1			