

CONTENTS

Foreword	0-1	4. Operation of the working device	4-7
Emission-related components warranty (USA and CANADA only)	0-2	5. Traveling of the machine	4-8
Before servicing this machine	0-3	6. Efficient working method	4-11
EC regulation approved	0-4	7. Operation in the special work sites	4-15
EC Declaration od conformity	0-5	8. Normal operation of excavator	4-17
Table to enter S/No and distribution	0-6	9. Attachment lowering pattern	4-18
Safety labels	0-7	10. Storage	4-19
Machine data plate	0-18	11. Handling the rubber tracks	4-21
Guide (direction, S/No, symbol)	0-19		
SAFETY HINTS			
1. California proposition 65	1-1	1. Preparation for transportation	5-1
2. Safety instructions	1-2	2. Dimension and weight	5-2
SPECIFICATIONS			
1. Major components	2-1	3. Loading the machine	5-4
2. Specifications	2-2	4. Fixing the machine	5-6
3. Working range	2-3	5. Loading and unloading by crane	5-7
4. Weight	2-4		
5. Lifting capacities	2-5		
6. Bucket selection guide	2-9		
7. Undercarriage	2-10		
8. Specification for major components	2-11		
9. Recommended oils	2-14		
CONTROL DEVICES			
1. Cab devices	3-1	1. Engine	7-1
2. Cluster	3-2	2. Electrical system	7-2
3. Switches	3-37	3. Others	7-3
4. Levers and pedals	3-44		
5. Full auto air conditioner and heater	3-47		
6. Others	3-51		
OPERATION			
1. Suggestion for new machine	4-1	1. Selecting hydraulic breaker	8-1
2. Check before starting the engine	4-2	2. Circuit configuration	8-2
3. Starting and stop the engine	4-3	3. Maintenance	8-3
		4. Precaution while operating the breaker	8-4
		5. Quick coupler	8-6
		INDEX	9-1