

CONTENTS

EC declaration of conformity	0-1	9. Operation in the special work sites	4-23
Foreword	0-2	10. Storage	4-25
Before servicing this machine	0-3		
Table to enter S/No and distribution	0-4	5. TRANSPORTATION	
EC regulation approved	0-5	1. Road traveling	5-1
Safety labels	0-6	2. Preparation for transportation	5-2
Machine data plate	0-14	3. Loading the machine	5-3
Guide (direction, S/No, symbol)	0-15	4. Fixing the machine	5-4
		5. Loading and unloading by crane	5-6
		6. Towing the machine	5-7
1. SAFETY HINTS		6. MAINTENANCE	
1. Before operating the machine	1-1	1. Instructions	6-1
2. During operating the machine	1-15	2. Tightening torque	6-5
3. During maintenance	1-24	3. Spec of fuel, coolant and lubricants	6-8
4. Parking	1-28	4. Maintenance check list	6-10
		5. Maintenance chart	6-13
2. SPECIFICATIONS		6. Service instruction	6-15
1. Major components	2-1	7. Electrical system	6-42
2. Specifications	2-2	8. Air conditioner and heater	6-45
3. Weight	2-6		
4. Specification for major components	2-7	7. TROUBLESHOOTING GUIDE	
		1. Engine	7-1
3. CONTROL DEVICES		2. Electrical system	7-2
1. Cab devices	3-1	3. Power train system	7-3
2. Cluster	3-2	4. Hydraulic system	7-4
3. Monitors	3-11		
4. Switches	3-25	8. OTHERS	
5. Control device	3-32	1. Central grease lubrication system	8-1
6. Air conditioner and heater	3-35	2. Quick coupler	8-6
7. Others	3-39		
4. OPERATION		INDEX	9-1
1. Suggestion for new machine	4-1		
2. Check before starting the engine	4-2		
3. Starting and stop the engine	4-3		
4. Warming-up operation	4-8		
5. Operation of the working device	4-9		
6. Traveling of the machine	4-10		
7. Efficient working method	4-15		
8. Adjustment of the work equipment	4-22		