

Shop Manual

BACKHOE LOADER

WB93R-8

SERIAL NUMBERS WB93R-8 F80004 and up

KOMATSU

SHOP MANUAL

BACKHOE LOADER WB93R-8

Machine model	Serial number
WB93R-8	F80004 and up

00 INDEX AND FOREWORD

TABLE OF CONTENTS

00 INDEX AND FOREWORD

TABLE OF CONTENTS	2
FOREWORD, SAFETY AND GENERAL INFORMATION	9
IMPORTANT SAFETY NOTICE	9
FIRE PREVENTION	14
DISPOSE OF WASTE MATERIALS	15
HOW TO READ THE SHOP MANUAL	16
EXPLANATION OF TERMS FOR MAINTENANCE STANDARD	18
HANDLING EQUIPMENT OF FUEL SYSTEM DEVICES	20
HANDLING OF INTAKE SYSTEM PARTS	21
HANDLING OF HYDRAULIC EQUIPMENT	22
METHOD OF DISCONNECTING AND CONNECTING OF PUSH-PULL TYPE COUPLER	24
HANDLING OF ELECTRICAL EQUIPMENT	27
HOW TO READ ELECTRIC WIRE CODE	35
PRECAUTIONS WHEN PERFORMING OPERATION	38
PRACTICAL USE OF KOMTRAX	43
STANDARD TIGHTENING TORQUE TABLE	44
ABBREVIATION	50
CONVERSION TABLE	57

01 SPECIFICATION

CONTENTS	2
SPECIFICATIONS	3
OVERALL DIMENSIONS	3
WORKING RANGE DRAWINGS	4
SPECIFICATIONS	6
WEIGHT TABLE	11
TABLE OF FUEL, COOLANT, AND LUBRICANTS	13

10 STRUCTURE AND FUNCTION

CONTENTS	2
ABBREVIATION LIST	3
UREA SCR SYSTEM	10
LAYOUT DRAWING OF UREA SCR SYSTEM	10
INDUCEMENT STRATEGY	17
COMPONENT PARTS OF UREA SCR SYSTEM	24
DEF TANK	28
DEF PUMP	30
DEF INJECTOR	31
DEF HOSE	32
DEF TANK HEATING VALVE	33
POWER TRAIN	34

POWER TRAIN DESCRIPTION	34
UNDERCARRIAGE AND FRAME	37
4WD TRANSMISION	37
FRONT AXLE	47
REAR AXLE	51
HYDRAULIC SYSTEM	56
LAYOUT DRAWING OF HYDRAULIC SYSTEM.....	56
HYDRAULIC TANK	58
HYDRAULIC PUMP	59
CONTROL VALVE - 9-spool loader and backhoe valves	73
CONTROL VALVE - 11-spool loader and backhoe valves	84
CLSS	95
WORK EQUIPMENT SYSTEM.....	115
LAYOUT DRAWING OF WORK EQUIPMENT SYSTEM.....	115
LOADER WORK EQUIPMENT PPC VALVE.....	118
OUTRIGGER PPC VALVE	131
STEERING UNIT	136
BRAKE PUMP	137
SOLENOID VALVE.....	138
ACCUMULATOR	140
HOLDING VALVE	141
WORK EQUIPMENT	146
LOADER WORK EQUIPMENT.....	146
BACKHOE WORK EQUIPMENT.....	147
20 STANDARD VALUE TABLES	
CONTENTS	2
ABBREVIATION LIST.....	3
STANDARD SERVICE VALUE TABLE	10
STANDARD VALUE TABLE FOR ENGINE.....	10
STANDARD VALUE TABLE FOR MACHINE.....	15
30 TESTING AND ADJUSTING	
CONTENTS	2
ABBREVIATION LIST.....	4
ENGINE AND COOLING SYSTEM	11
TEST ENGINE SPEED.....	11
TEST EXHAUST GAS COLOR	14
UNDERCARRIAGE AND FRAME	16
CHECKING LEAKAGES IN THE STEERING CYLINDER	16
TESTING STEERING CIRCUIT OIL PRESSURE.....	17
TESTING THE BRAKING SYSTEM PRESSURE	18
TESTING THE BRAKE SYSTEM LEAKAGE	20

It's a preview. You can download the full file by clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$