

Shop Manual

BACKHOE LOADER

WB97S-8E0

SERIAL NUMBERS WB97S-8E0 F45003 and up

KOMATSU

00 INDEX AND FOREWORD

INDEX

00 INDEX AND FOREWORD	00-1
FOREWORD, SAFETY, BASIC INFORMATION	00-7
HOW TO READ THE SHOP MANUAL	00-7
SAFETY NOTICE FOR OPERATION	00-9
PRECAUTIONS TO PREVENT FIRE	00-17
ACTIONS IF FIRE OCCURS	00-19
PRECAUTIONS FOR DISPOSING OF WASTE MATERIALS	00-20
ACTIONS TAKEN TO MEET EXHAUST GAS REGULATIONS	00-21
PRECAUTIONS FOR DEF	00-22
STORE AdBlue/DEF	00-23
PRECAUTIONS FOR HANDLING HYDRAULIC EQUIPMENT	00-24
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF PIPINGS	00-27
PRECAUTIONS FOR HANDLING ELECTRICAL EQUIPMENT	00-34
PRECAUTIONS FOR HANDLING FUEL SYSTEM EQUIPMENT	00-36
PRECAUTIONS FOR HANDLING INTAKE SYSTEM EQUIPMENT	00-37
PRACTICAL USE OF KOMTRAX	00-38
DISCONNECT AND CONNECT PUSH-PULL TYPE COUPLER	00-39
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF CONNECTORS	00-43
METHOD FOR DISCONNECTING AND CONNECTING DEUTSCH CONNECTOR	00-47
METHOD FOR DISCONNECTING AND CONNECTING SLIDE LOCK TYPE CONNECTOR	00-48
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PULL ..	00-50
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PUSH ..	00-51
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH HOUSING TO ROTATE .	00-53
HOW TO READ ELECTRICAL WIRE CODE	00-54
EXPLANATION OF TERMS FOR MAINTENANCE STANDARD	00-58
STANDARD TIGHTENING TORQUE TABLE	00-61
CONVERSION TABLE	00-68
ABBREVIATION LIST	00-73
01 SPECIFICATIONS	01-1
CONTENTS	01-2
SPECIFICATIONS	01-3
SPECIFICATION DRAWING	01-3
SPECIFICATIONS	01-5
WEIGHT TABLE	01-6
FUEL, COOLANT, LUBRICANTS	01-8
10 STRUCTURE AND FUNCTION	10-1
CONTENTS	10-2
UREA SCR SYSTEM	10-4
LAYOUT DRAWING OF UREA SCR SYSTEM	10-4
UREA SCR SYSTEM DIAGRAM	10-7
FUNCTION OF UREA SCR SYSTEM	10-9
COMPONENT PARTS OF UREA SCR SYSTEM	10-17
HYDRAULIC SYSTEM	10-27
LAYOUT DRAWING OF HYDRAULIC SYSTEM	10-27
CLSS	10-29
COMPONENT PARTS OF HYDRAULIC SYSTEM	10-32
POWER TRAIN SYSTEM	10-77
LAYOUT DRAWING OF POWER TRAIN SYSTEM	10-77
OPERATION OF POWER TRAIN SYSTEM	10-79
COMPONENT PARTS OF POWER TRAIN SYSTEM	10-80
OPERATION OF STEERING SYSTEM	10-106
WORK EQUIPMENT SYSTEM	10-110
LAYOUT DRAWING OF WORK EQUIPMENT SYSTEM	10-110
LOADER WORK EQUIPMENT PPC VALVE	10-113
BACKHOE PPC VALVE	10-126

OUTRIGGER PPC VALVE	10-130
STEERING UNIT	10-135
BRAKE PUMP	10-136
SOLENOID VALVES	10-137
PPC CIRCUIT ACCUMULATOR	10-143
SAFETY VALVES	10-144
WORK EQUIPMENT	10-149
STRUCTURE OF LOADER WORK EQUIPMENT	10-149
STRUCTURE OF BACKHOE WORK EQUIPMENT	10-150
FUNCTION OF WORK EQUIPMENT CLEARANCE ADJUSTMENT SHIM	10-151
20 STANDARD VALUE TABLE	20-1
CONTENTS	20-2
STANDARD VALUE TABLE FOR ENGINE	20-3
STANDARD VALUE TABLE FOR ENGINE: WB97S-8E0	20-3
STANDARD VALUE TABLE FOR MACHINE	20-6
STANDARD VALUE TABLE FOR MACHINE: WB97S-8E0	20-6
MACHINE POSTURE AND PROCEDURES TO MEASURE PERFORMANCE	20-23
30 TESTING AND ADJUSTING	30-1
CONTENTS	30-2
ENGINE AND COOLING SYSTEM	30-5
TEST VISUAL CHECK CRANKCASE SYSTEM	30-5
TEST CHECK CYLINDER MECHANICS	30-7
TEST CHECK EGR VALVE ACTUATOR	30-9
TEST CHECK EXTERNAL FUEL LEAKAGE ENGINE AREA	30-11
TEST CHECK PRESSURE LIMITING VALVE (PLV) BACKFLOW RATE	30-13
TEST CHECK TURBO SYSTEM	30-15
TEST CHECK INTAKE AIR SYSTEM	30-17
TEST CHECK COOLING SYSTEM	30-19
CHECK PRESSURE BETWEEN MAIN FILTER AND HIGH PRESSURE PUMP	30-24
TEST CHECK HIGH PRESSURE PUMP BACKFLOW RATE	30-27
TEST CHECK HIGH PRESSURE SYSTEM BACKFLOW RATE	30-29
PRESSURE TEST RAIL PRESSURE ADJUSTMENT CHECK	30-31
PRESSURE TEST CHECK RAIL PRESSURE DURING RAIL	30-32
PRESSURE TEST CHECK PRESSURE BETWEEN GEAR PUMP AND MAIN FILTER	30-33
TEST CHECK INTAKE AIR PRESSURE AND TEMPERATURE SENSOR	30-35
PRESSURE TEST CHECK SUCTION PRESSURE BETWEEN TANK AND PRE-FILTER	30-36
PRESSURE TEST CHECK SUCTION PRESSURE AFTER PRE-FILTER	30-38
TEST CHECK WATER IN FUEL SENSOR PLAUSIBILITY	30-40
TEST CHECK EXTERNAL FUEL LEAKAGE HIGH PRESSURE SYSTEM	30-41
TEST CHECK SINGLE INJECTOR BACKFLOW RATE	30-42
TEST INJECTOR CUT OUT ACTIVATION CHECK	30-44
TEST ENGINE SPEED	30-45
TEST EXHAUST GAS COLOR	30-48
STEERING SYSTEM	30-50
CHECK LEAKAGES IN STEERING CYLINDER	30-50
TEST STEERING CIRCUIT OIL PRESSURE	30-51
ADJUST TOE-IN/STEERING ANGLE WITH AXLES REMOVED FROM MACHINE	30-52
ADJUST TOE-IN/STEERING ANGLE WITH AXLES WITHOUT REMOVED FROM MACHINE	30-64
BRAKE SYSTEM	30-67
TEST BRAKE SYSTEM PRESSURE	30-67
TEST BRAKE SYSTEM LEAKAGE	30-69
TEST BRAKE PISTON STROKE	30-70
BLEED AIR FROM THE BRAKE CIRCUIT	30-71
TEST AND ADJUST PARKING BRAKE SYSTEM	30-72
HYDRAULIC SYSTEM	30-74
RELEASE REMAINING PRESSURE FROM WORK EQUIPMENT CIRCUIT	30-74
TEST AND ADJUST HYDRAULIC CIRCUIT PRESSURE	30-75
TEST AND ADJUST WORK EQUIPMENT OIL PRESSURE	30-76

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

<https://shopservicemanual.com/>

Service Manuals from 2\$