

Shop Manual

HYDRAULIC EXCAVATOR

PC80MR-5E0 SERIAL NUMBERS F70001 and up

00 INDEX AND FOREWORD

INDEX

00 INDEX AND FOREWORD	00-1
ABBREVIATION LIST	00-11
FOREWORD, SAFETY, BASIC INFORMATION	00-17
HOW TO READ THE SHOP MANUAL	00-17
SAFETY NOTICE FOR OPERATION	00-19
PRECAUTIONS TO PREVENT FIRE	00-27
ACTIONS IF FIRE OCCURS	00-29
PRECAUTIONS FOR DISPOSING OF WASTE MATERIALS	00-30
PRECAUTIONS FOR HANDLING HYDRAULIC EQUIPMENT	00-31
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF PIPINGS	00-34
PRECAUTIONS FOR HANDLING ELECTRICAL EQUIPMENT	00-41
PRECAUTIONS FOR HANDLING FUEL SYSTEM EQUIPMENT	00-43
PRECAUTIONS FOR HANDLING INTAKE SYSTEM EQUIPMENT	00-44
PRACTICAL USE OF KOMTRAX	00-45
DISCONNECT AND CONNECT PUSH-PULL TYPE COUPLER	00-46
PRECAUTIONS FOR DISCONNECTION AND CONNECTION OF CONNECTORS	00-50
METHOD FOR DISCONNECTING AND CONNECTING DEUTSCH CONNECTOR	00-54
METHOD FOR DISCONNECTING AND CONNECTING SLIDE LOCK TYPE CONNECTOR	00-55
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PULL ..	00-57
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH LOCK TO PUSH ..	00-58
METHOD FOR DISCONNECTING AND CONNECTING CONNECTOR WITH HOUSING TO ROTATE .	00-60
HOW TO READ ELECTRICAL WIRE CODE	00-61
EXPLANATION OF TERMS FOR MAINTENANCE STANDARD	00-65
STANDARD TIGHTENING TORQUE TABLE	00-68
CONVERSION TABLE	00-75
01 SPECIFICATIONS	01-1
CONTENTS	01-2
ABBREVIATION LIST	01-3
SPECIFICATIONS	01-9
SPECIFICATION DRAWING	01-9
WORKING RANGE DRAWINGS	01-12
SPECIFICATIONS	01-16
WEIGHT TABLE	01-21
TABLE OF FUEL, COOLANT, AND LUBRICANTS	01-23
10 STRUCTURE AND FUNCTION	10-1
CONTENTS	10-2
ABBREVIATION LIST	10-4
NO _x CONTROL SYSTEM	10-10
FUNCTION OF NO _x CONTROL SYSTEM	10-10
BOOT-UP SYSTEM	10-14
LAYOUT DRAWING OF BOOT-UP SYSTEM	10-14
SYSTEM OPERATING LAMP SYSTEM	10-16
BATTERY DISCONNECT SWITCH	10-18
ENGINE SYSTEM	10-19
LAYOUT DRAWING OF ENGINE SYSTEM	10-19
ENGINE CONTROL SYSTEM	10-21
AUTO-DECELERATION SYSTEM	10-25
OVERHEAT PREVENTION SYSTEM	10-27
AUTOMATIC IDLE STOP SYSTEM	10-29
COMPONENT PARTS OF ENGINE SYSTEM	10-31
COOLING SYSTEM	10-33
LAYOUT DRAWING OF COOLING SYSTEM	10-33
CONTROL SYSTEM	10-35
LAYOUT DRAWING OF CONTROL SYSTEM	10-35
MACHINE MONITOR SYSTEM	10-36

KOMTRAX SYSTEM.....	10-37
COMPONENT PARTS OF CONTROL SYSTEM.....	10-38
HYDRAULIC SYSTEM.....	10-55
LAYOUT DRAWING OF HYDRAULIC SYSTEM.....	10-55
CLSS.....	10-57
ENGINE AND PUMP COMBINED CONTROL SYSTEM.....	10-60
COMPONENT PARTS OF HYDRAULIC SYSTEM.....	10-63
WORK EQUIPMENT SYSTEM.....	10-114
LAYOUT DRAWING OF WORK EQUIPMENT SYSTEM.....	10-114
STRUCTURE OF VALVE CONTROL.....	10-118
PPC LOCK SYSTEM.....	10-120
WORK EQUIPMENT AND TRAVEL AUTOMATIC LOCK SYSTEM.....	10-121
OIL FLOW ADJUSTER SYSTEM FOR ATTACHMENT.....	10-122
COMPONENT PARTS OF WORK EQUIPMENT SYSTEM.....	10-124
SWING SYSTEM.....	10-135
LAYOUT DRAWING OF SWING SYSTEM.....	10-135
COMPONENT PARTS OF SWING SYSTEM.....	10-136
TRAVEL SYSTEM.....	10-148
LAYOUT DRAWING OF TRAVEL SYSTEM.....	10-148
TRAVEL CONTROL SYSTEM DIAGRAM.....	10-150
COMPONENT PARTS OF TRAVEL SYSTEM.....	10-152
UNDERCARRIAGE AND FRAME.....	10-165
LAYOUT DRAWING OF UNDERCARRIAGE.....	10-165
IDLER CUSHION.....	10-166
WORK EQUIPMENT.....	10-167
STRUCTURE OF WORK EQUIPMENT.....	10-167
FUNCTION OF WORK EQUIPMENT.....	10-169
WORK EQUIPMENT CLEARANCE ADJUSTMENT SHIM.....	10-170
CAB AND ITS ATTACHMENTS.....	10-171
ROPS CAB.....	10-171
20 STANDARD VALUE TABLE.....	20-1
CONTENTS.....	20-2
ABBREVIATION LIST.....	20-3
STANDARD VALUE TABLE FOR ENGINE.....	20-9
STANDARD VALUE TABLE FOR ENGINE: PC80MR-5E0.....	20-9
STANDARD VALUE TABLE FOR MACHINE.....	20-11
STANDARD VALUE TABLE FOR MACHINE: PC80MR-5E0.....	20-11
MACHINE POSTURE AND PROCEDURE FOR MEASURING PERFORMANCE.....	20-23
30 TESTING AND ADJUSTING.....	30-1
CONTENTS.....	30-2
ABBREVIATION LIST.....	30-4
RELATED INFORMATION ON TESTING AND ADJUSTING.....	30-10
ENGINE AND COOLING SYSTEM.....	30-11
CONNECTING ENGINE SOFTWARE DIAGNOSTIC TOOL TO THE MACHINE.....	30-11
TEST ENGINE SPEED.....	30-12
TEST EXHAUST GAS COLOR.....	30-14
TEST AND ADJUST VALVE CLEARANCE.....	30-16
TEST COMPRESSION PRESSURE.....	30-18
TEST ENGINE OIL PRESSURE.....	30-20
BLEED AIR FROM FUEL SYSTEM.....	30-22
TEST FUEL CIRCUIT FOR LEAKAGE.....	30-23
HANDLE CYLINDER CUT-OUT MODE OPERATION.....	30-24
TEST AND ADJUST ALTERNATOR BELT TENSION.....	30-25
TEST AND ADJUST AIR CONDITIONER COMPRESSOR BELT TENSION.....	30-27
POWER TRAIN.....	30-29
TEST SWING CIRCLE BEARING CLEARANCE.....	30-29
UNDERCARRIAGE AND FRAME.....	30-30
TEST AND ADJUST TRACK TENSION.....	30-30

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

<https://shopservicemanual.com/>

Service Manuals from 2\$