

Shop Manual

HYDRAULIC
EXCAVATOR

PW98MR-8

SERIAL NUMBERS PW98MR-8 F80003 and up

KOMATSU

HYDRAULIC EXCAVATOR PW98MR-8

Machine model	Serial number
PW98MR-8	F80003 and up

00 Index and foreword

Table of contents

00 Index and foreword

Table of contents.....	2
Foreword and general information	12
Safety notice	12
How to read the shop manual	17
Explanation of terms for maintenance standard	19
Handling of hydraulic components.....	21
Method of disconnecting and connecting push-pull type coupler	23
Handling of electric equipment.....	26
How to read electric wire code.....	36
Precautions when performing work.....	39
Standard tightening torque table	42
List of abbreviation.....	46
Conversion table	50

01 Specification

Specifications.....	3
Specifications drawing	3
Specifications.....	5
Table of weight.....	8
Table of fuel, coolant and lubricants	10

10 Structure and function

Engine mount.....	4
PTO.....	5
Cooling system.....	6
Power train overview.....	8
Front axle	10
Pinion and differential	10
Brakes.....	12
Final reduction	13
Steering cylinder	14
Steering and convergency angle	15
Rear axle.....	18
Differential.....	18
Final reduction	20
Steering cylinder	21
Steering and convergency angle	22
Parking brake cylinder	24
Steering system	26
Axle locking cylinder.....	30
Solenoid valve group	31
Priority valve	32
Steering unit.....	33
Swing circle.....	34
Swing machinery.....	36
Hydraulic tank and filter.....	38
Hydraulic pump	40
Control valve	52

Outline	52
11-spool valve.....	53
CLSS.....	64
Outline of CLSS	64
Basic principle.....	65
Function and operation by valve	68
Hydraulic circuit diagram and name of valves	68
1. Unload valve	70
2. Introduction of LS pressure.....	73
3. LS bypass plug	75
4. Pressure compensation valve.....	76
5. Surface area ratio of pressure compensation valve.....	77
6. Travel LS bypass circuit.....	78
7. Boom regeneration circuit.....	80
8. Boom hydraulic drift prevention valve.....	82
PPC valve	85
Work equipment and swing PPC valve.....	85
Blade, outrigger, variable 2-piece boom and boom swing PPC valve	90
Travel PPC valve	92
Brakes pump.....	94
Swing motor	95
Travel motor.....	105
Displacement automatic control high pressure related.....	108
Travel motor brake valves	109
Swivel joint.....	112
Solenoid valve.....	114
1 - Attachment oil flow adjuster EPC valve	117
2 - Attachment oil flow adjuster EPC valve	118
PPC accumulator	124
For PPC circuit.....	124
Anti-drop valve	126
Work equipment.....	132
Dimensions of components	136
Arm	136
Bucket.....	142
Work equipment cylinder	144
20 Standard value table	
Standard value table for engine	3
Standard value table for chassis.....	4
30 Testing and adjusting	
Testing and adjusting.....	3
Tools for testing, adjusting, and troubleshooting	3
Testing engine speed	8
Testing exhaust temperature	9
Checking exhaust gas color.....	10
Adjusting valve clearance	11
Testing compression pressure.....	13
Testing blow-by pressure.....	15
Testing engine oil pressure.....	16

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

<https://shopservicemanual.com/>

Service Manuals from 2\$