CEAM013701

Operation & Maintenance Manual

WA200PT-5L

WHEEL LOADER

SERIAL NUMBERS WA200PT-5L A89001 and up

ENGINE 6D102E

April 2016

KOMATSU®

MidWestTech | Komatsu WA200PT-5L Wheel Loader Operation & Maintenance Manual | P... Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

INTRODUCTION

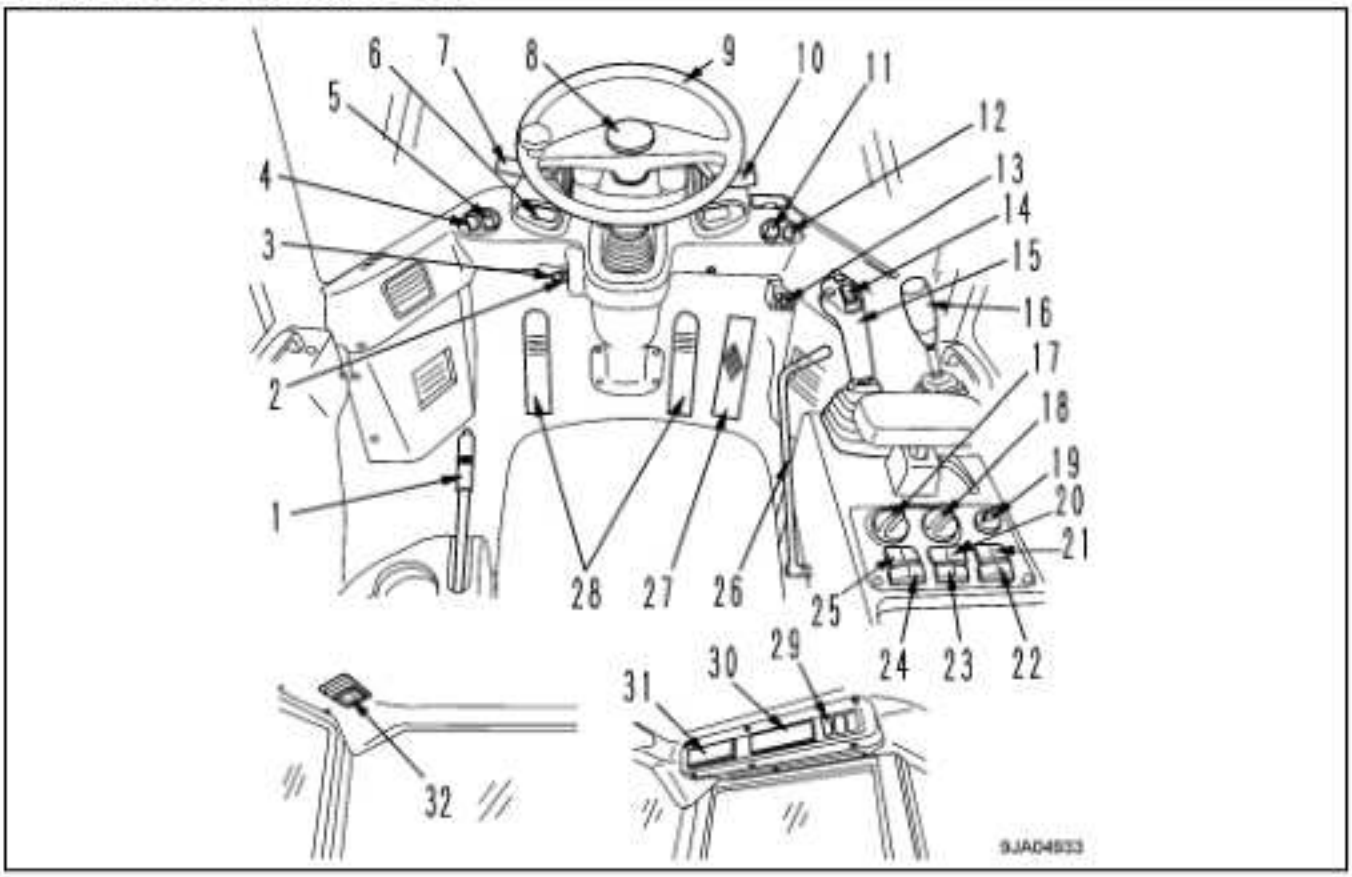
FOREWORD 0-2
SAFETY INFORMATION 0-3
INTRODUCTION 0-5
DIRECTIONS OF MACHINE 0-5
NECESSARY INFORMATION 0-6
MACHINE SERIAL NO. PLATE 0-6
ENGINE SERIAL NO. PLATE AND POSITION 0-6
SERVICE METER POSITION 0-7
ENTER SERIAL NO. AND DISTRIBUTOR 0-7
TABLE OF CONTENTS 0-8

SAFETY

SAFETY LABELS 1-2
LOCATION OF SAFETY LABELS 1-2
SAFETY LABELS 1-3
GENERAL PRECAUTIONS 1-9
SAFETY RULES 1-9
IF ABNORMALITIES ARE FOUND 1-9
CLOTHING AND PERSONAL PROTECTIVE ITEMS 1-9
FIRE EXTINGUISHER AND FIRST AID KIT 1-9
SAFETY FEATURES 1-9
KEEP THE MACHINE CLEAN 1-10
INSIDE OPERATOR'S COMPARTMENT 1-10
ALWAYS APPLY LOCK WHEN LEAVING OPERATOR'S SEAT 1-10
HANDRAILS AND STEPS 1-11
MOUNTING AND DISMOUNTING 1-12
NO PEOPLE ON ATTACHMENTS 1-12
DO NOT GET CAUGHT IN ARTICULATED PORTION 1-12
BURN PREVENTION 1-12
HOT COOLANT 1-12
HOT OIL 1-12
FIRE PREVENTION 1-13
ACTION IF FIRE OCCURS 1-14
WINDOW WASHER LIQUID 1-14
PRECAUTIONS WHEN USING ROPS 1-14
PRECAUTIONS FOR ATTACHMENTS 1-14
UNAUTHORIZED MODIFICATION 1-14
SAFETY AT WORK SITE 1-15
WORKING ON LOOSE GROUND 1-15
DO NOT GO CLOSE TO HIGH-VOLTAGE CABLES 1-15
ENSURE GOOD VISIBILITY 1-16
BE CAREFUL ABOUT EXHAUST FUMES 1-16
CHECKING SIGNALMAN'S SIGNALS AND SIGNS 1-16
EMERGENCY EXIT FROM OPERATOR'S CAB 1-16

MidWestTech | Komatsu WA200PT-5L Wheel Loader Operation & Maintenance Manual | P... Order the manual at mid-west-tech.com >

CONTROLS AND GAUGES



1. Parking brake lever
2. Rear wiper switch
3. Front wiper switch
4. Front working lamp switch
5. Rear working lamp switch
6. Hazard lamp switch
7. Directional lever
8. Horn switch
9. Steering wheel
10. Lamp switch
10. Turn signal lever
10. Dimmer switch
11. Monitor panel mode selector switch 1
12. Monitor panel mode selector switch 2
13. Cigarette lighter
14. Directional selector switch
15. Work equipment control lever
16. Auxiliary control lever
17. Variable shift control switch
18. Speed range selector switch
19. Starting switch
20. E.C.S.S. switch (if equipped)
21. Traction control switch
22. Attachment selection switch
23. Dump speed switch
24. Quick coupler attachment switch
25. Directional selector actuation switch
26. Safety lock lever
27. Accelelator pedal
28. Brake control
29. Rear heated wire glass switch
30. Air conditioner panel
31. Radio (if equipped)
32. Room lamp switch

MidWestTech | Komatsu WA200PT-5L Wheel Loader Operation & Maintenance Manual | P... Order the manual at mid-west-tech.com >

MAINTENANCE SCHEDULE CHART

INITIAL 250 HOURS SERVICE (ONLY AFTER THE FIRST 250 HOURS)	
REPLACE HST OIL FILTER ELEMENT	3-45
REPLACE HYDRAULIC TANK FILTER ELEMENT	3-47
WHEN REQUIRED	
CHECK, CLEAN OR REPLACE AIR CLEANER ELEMENT	3-16
CLEAN INSIDE OF COOLING SYSTEM	3-19
CHECK OIL LEVEL IN TRANSFER CASE, ADD OIL	3-22
CHECK AXLE OIL LEVEL, ADD OIL	3-23
CLEAN AXLE CASE BREATHER	3-24
CLEAN AIR CONDITIONER CONDENSER	3-24
CHECK WINDOW WASHING FLUID LEVEL, ADD FLUID	3-25
CLEAN RADIATOR FINS AND COOLER FINS	3-25
CLEAN TRANSFER OIL COOLER FINS	3-25
CHECK ELECTRICAL INTAKE AIR HEATER	3-26
REPLACE BOLT ON CUTTING EDGE	3-26
REPLACE BUCKET TEETH	3-27
CHECK AIR CONDITIONER	3-28
REPLACE SLOW-BLOW FUSE	3-29
SELECTION AND INSPECTION OF TIRES	3-30
CHECK BEFORE STARTING	3-32
EVERY 50 HOURS	
DRAIN WATER, SEDIMENT FROM FUEL TANK	3-33
EVERY 100 HOURS SERVICE	
LUBRICATE REAR AXLE PIVOT PIN	3-33
CLEAN ELEMENT IN AIR CONDITIONER FRESH AIR FILTER	3-33
CHECK OIL LEVEL IN HYDRAULIC TANK, ADD OIL	3-34
EVERY 250 HOURS SERVICE	
CHECK BATTERY ELECTROLYTE LEVEL	3-35
CHECK PARKING BRAKE	3-37

MidWestTech | Komatsu WA200PT-5L Wheel Loader Operation & Maintenance Manual | P... Order the manual at mid-west-tech.com >

SPECIFICATIONS

WA200PT-5L WITH BOLT-ON CUTTING EDGE

	Item			Unit	with bolt on cutting edge
	Operating weight (including operator: 75 kg (165 lb.).) (with bolt on cutting edge)			kg (lb.)	10,335 (22,789)
	Normal load			kg (lb.)	3,185 (7,023)
	Bucket capacity	Heaped		m^3 (cu.yd)	1.8 (2.4)
	Engine model			--	Komatsu SAA6D102E diesel engine
	Flywheel horsepower			kW (HP)/rpm	92 (123)/2000
A	Overall length			mm (ft. in)	7,250 (23 ft. 9 in.)
B	Overall height			mm (ft. in)	3,110 (10 ft. 2 in.)
C	Max. dimension when shaking bucket			mm (ft. in)	5,010 (16 ft. 5 in.)
D	Overall width			mm (ft. in)	2,375 (7 ft. 10 in.)
E	Min. ground clearance			mm (ft. in)	425 (1 ft. 5 in.)
F	Bucket width			mm (ft. in)	2,550 (8 ft. 4 in.)
G	Clearance	Cutting edge [BOC tip]		mm (ft. in)	2,725 (8 ft. 11 in.)
H	Reach	Cutting edge [BOC tip]		mm (ft. in)	1,095 (3 ft. 7 in.)
I	Dump angle			degrees	45
	Min. turning radius	Out of chassis		mm (ft.)	5,775 (18 ft. 11 in.)
		Center of outside tire		mm (ft. in)	4,880 (16 ft.)
	Travel speed	Forward	1st	km/h (MPH)	4.0 to 13.0 (2.5 to 8.1)
			2nd	km/h (MPH)	13.0 (8.1)
			3rd	km/h (MPH)	20.0 (12.4)
			4th	km/h (MPH)	34.5 (21.4)
		Reverse	1st	km/h (MPH)	4.0 to 13.0 (2.5 to 8.1)
			2nd	km/h (MPH)	13.0 (8.1)
			3rd	km/h (MPH)	20.0 (12.4)
			4th	km/h (MPH)	34.5 (21.4)

MidWestTech | Komatsu WA200PT-5L Wheel Loader Operation & Maintenance Manual | P... Order the manual at mid-west-tech.com >