VEAM180100

Operation & Maintenance Manual

WA470-5H

WHEEL LOADER

SERIAL NUMBERS WA470H50051 AND UP

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

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CONTENTS

FOREWORD

FOREWORD 1-2

SAFETY INFORMATION 1-4

INTRODUCTION 1-6
- INTENDED USE 1-6
- DIRECTIONS OF MACHINE 1-6

NECESSARY INFORMATION 1-7
- MACHINE SERIAL NO. PLATE AND POSITION 1-7
- ENGINE SERIAL NO. PLATE AND POSITION 1-7
- ROPS/FOPS-CAB SERIAL NO. PLATE 1-8
- AXLE SERIAL NO. PLATE 1-8
- TRANSMISSION SERIAL NO. PLATE 1-8
- SEAT OPERATOR SERIAL NO. PLATE 1-8
- POSITION OF SERVICE METER 1-9
- TABLE TO ENTER SERIAL NO. AND DISTRIBUTOR 1-9

CONTENTS 1-10

DIMENSIONS, WEIGHTS AND OPERATING DATA 1-17
- WA470-5H: DIMENSIONS, WEIGHTS AND OPERATING DATA 1-17

CE-CONFORMING EQUIPMENT 1-18
- CE-CONFORMING EQUIPMENT - PART 1 1-18
- MANUFACTURER-SUPPLIED CE-CONFORMING EQUIPMENT, ACCORDING TO DOCUMENT 421-93-H1900 1-19

SAFETY

SAFETY LABELS 2-3
- LOCATION OF SAFETY LABELS 2-3
- SAFETY LABELS 2-4

GENERAL PRECAUTIONS 2-5

PRECAUTIONS FOR OPERATION 2-13
- BEFORE STARTING ENGINE 2-13
- OPERATION 2-14
- TRANSPORTATION 2-21
- BATTERY 2-22
- TOWING 2-24

PRECAUTIONS FOR MAINTENANCE 2-25

PRECAUTIONS WITH TIRES 2-32

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OPERATION

GENERAL VIEW 3-2
GENERAL VIEW OF MACHINE 3-2
GENERAL VIEW OF CONTROLS AND GAUGES 3-3

EXPLANATION OF COMPONENTS 3-6
MACHINE MONITOR 3-6
TYPES OF WARNING 3-7
CENTRAL WARNING LAMP 3-7
CHARACTER DISPLAY PORTION 3-8
EMERGENCY STOP ITEM 3-14
CAUTION ITEMS 3-17
INSPECTION AND MAINTENANCE ITEM 3-20
PILOT DISPLAY PORTION 3-24
METER DISPLAY PORTION 3-29
OTHER FUNCTIONS OF MACHINE MONITOR 3-31
SWITCHES 3-36
CONTROL LEVERS, PEDALS 3-51
STEERING TILT LOCK LEVER 3-57
CAP WITH LOCK 3-58
METHOD OF OPENING AND CLOSING CAP WITH LOCK (FOR THE FUEL TANK FILLER PORT) 3-58
METHOD OF OPENING AND CLOSING CAP WITH LOCK (FOR THE HYDRAURIC TANK FILLER PORT) 3-59
SAFETY BAR 3-60
TOWING PIN 3-60
GREASE PUMP 3-60
CAB DOOR OPEN LOCK 3-61
CAB WINDOW OPEN LOCK CANCEL KNOB 3-61
BACKUP ALARM 3-61
FUSE 3-62
FUSE CAPACITY AND NAME OF CIRCUIT 3-63
SLOW-BLOW FUSE 3-64
TAKING OFF POWER 3-64
HANDLING CAB WIPER 3-65
PREVENTING DAMAGE TO WIPER ARM BRACKET 3-65
DUST INDICATOR 3-65

OPERATION 3-66
CHECK BEFORE STARTING ENGINE, ADJUST 3-66
WALK-AROUND CHECK 3-66
CHECK BEFORE STARTING 3-69
ADJUSTMENT 3-74
OPERATIONS AND CHECKS BEFORE STARTING ENGINE 3-79
STARTING ENGINE 3-81
AUTOMATIC WARMING-UP OPERATION 3-83
OPERATIONS AND CHECKS AFTER STARTING ENGINE 3-84
BREAKING IN THE MACHINE 3-84
NORMAL OPERATION 3-84
STOPPING ENGINE 3-86
CHECK AFTER STOPPING ENGINE 3-86
MOVING MACHINE OFF (DIRECTIONAL, SPEED), STOPPING 3-87
PREPARATIONS FOR MOVING MACHINE 3-87
CHANGING GEAR SPEED 3-90
CHANGING DIRECTION 3-91
STOPPING MACHINE 3-93
TURNING 3-96
EMERGENCY STEERING 3-96

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OPERATION OF WORK EQUIPMENT 3-98
WORK POSSIBLE USING WHEEL LOADER 3-100
DIGGING OPERATIONS 3-100
LEVELING OPERATIONS 3-104
PUSHING OPERATION 3-104
LOAD AND CARRY OPERATIONS 3-104
LOADING OPERATIONS 3-105
PRECAUTIONS FOR OPERATION 3-107
PERMISSIBLE WATER DEPTH 3-107
IF WHEEL BRAKE DOES NOT WORK 3-107
PRECAUTIONS WHEN DRIVING UP OR DOWN SLOPES 3-107
PRECAUTIONS REGARDING BRAKE FUNCTION 3-108
ADJUSTING WORK EQUIPMENT POSTURE 3-109
ADJUSTING BOOM KICKOUT 3-109
ADJUSTING BUCKET POSITIONER 3-111
BUCKET LEVEL INDICATOR 3-111
PARKING MACHINE 3-112
CHECKS AFTER COMPLETION OF OPERATION 3-114
LOCKING 3-114
HANDLING THE TIRES 3-115
PRECAUTIONS WHEN HANDLING TIRES 3-115
TIRE PRESSURE 3-115
PRECAUTIONS WHEN LOAD AND CARRY METHOD 3-116

TRANSPORTATION 3-117
TRANSPORTATION PROCEDURE 3-117
LOADING, UNLOADING WORK WITH TRAILERS 3-117
LOADING 3-117
SECURING MACHINE 3-118
UNLOADING 3-118
LIFTING MACHINE 3-119
POSITION FOR STICKING LIFTING POSITION MARK 3-120
WEIGHT TABLE 3-120
LIFTING PROCEDURE 3-121

COLD WEATHER OPERATION 3-122
PRECAUTIONS FOR LOW TEMPERATURE 3-122
FUEL AND LUBRICANTS 3-122
COOLANT 3-122
BATTERY 3-123
PRECAUTIONS AFTER COMPLETION OF WORK 3-123
AFTER COLD WEATHER 3-123
WARMING-UP OPERATION FOR STEERING HYDRAURIC CIRCUIT IN COLD WEATHER 3-124

LONG-TERM STORAGE 3-125
BEFORE STORAGE 3-125
DURING STORAGE 3-125
AFTER STORAGE 3-125

TROUBLESHOOTING 3-126
WHEN MACHINE RUNS OUT OF FUEL 3-126
TOWING THE MACHINE 3-127
WHEN ENGINE CAN BE USED 3-128
WHEN ENGINE CANNOT BE USED 3-128
RELEASING PARKING BRAKE 3-128
EMERGENCY TRAVEL OPERATION 3-130
IF BATTERY IS DISCHARGED 3-131
REMOVAL AND INSTALLATION OF BATTERY 3-131
PRECAUTIONS FOR CHARGING BATTERY 3-132

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CE-CONFORMING EQUIPMENT

CE-CONFORMING EQUIPMENT - PART 1

CE-conforming equipment						
	1	2	3	4	5	–
	Type	Part No.	Volume m^3	Load Capacity kg	Hydraulic pressure bar	Weight kg
Bucket	WA470-5H	421-70-H2B20	6,0			-
		421-70-H2B60	3,8			2.050
		421-70-H2B71	3,8			2.215
		421-70-H2E52	4,35			2.186
		421-70-H2E63	4,35			2.328
		421-70-H2E73	4,75			2.450
		421-70-H2E84	4,75			2.590
		421-70-H2E91	4,35			2.340
		421-70-H2F92	4,75			2.542
		421-70-H2G71	4,5			2.349
		421-70-H2G82	4,9			2.712
		421-70-H2K52	4,2			2.107
		421-70-H2K62	4,2			2.243
		421-70--H2K73	4,6			2.360
		421-70-H2K84	4,6			2.590
		421-70-H2P12	4,1			2.340
		421-70-H2P22	4,1			2.480
		421-70-H2P31	4,25			2.549
		421-70-H2S02	4,1			2.350
		421-70-H2S12	4,1			2.485
		421-70-H2S21	4,25			2.559
		421-71-H2001	4,1			1.750
		421-71-H2010	4,25			1.915
		421-71-H2C40	4,1			1.690
		421-71-H2D31	4,5			1.951
		421-71-H2E20	4,5			1.890
		421-71-H2E30	4,65			2.135

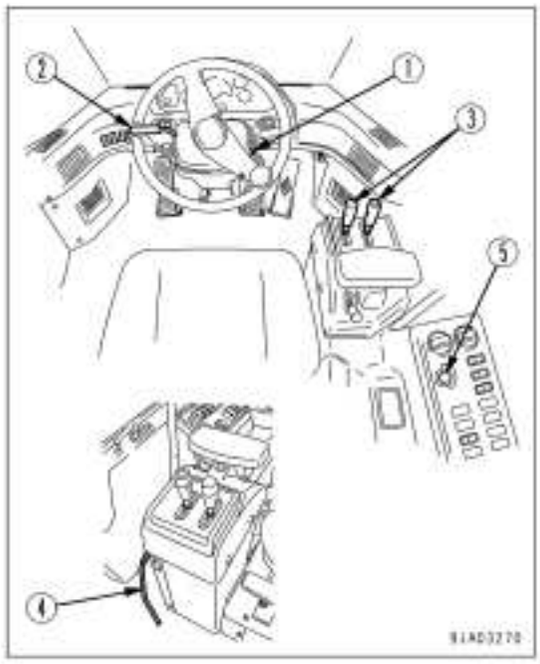


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OPERATIONS AND CHECKS BEFORE STARTING ENGINE

⚠ WARNING

Before starting the engine, check that the safety lock lever is securely at the LOCK position.
If the work equipment control lever is touched by mistake when starting the engine, the work equipment may move unexpectedly and cause serious damage or personal injury.



1. Check that parking brake switch (1) is at the ON position.



2. Check that directional lever (2) is at the N position.
   When starting the engine, if directional lever (2) is not at the N position, the engine will not start.



3. Lower the bucket to the ground, then check that work equipment control lever (3) is locked by safety lock (4).



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EVERY 500 HOURS SERVICE

Maintenance for every 50, 100 and 250 hours service should be carried out at the same time.

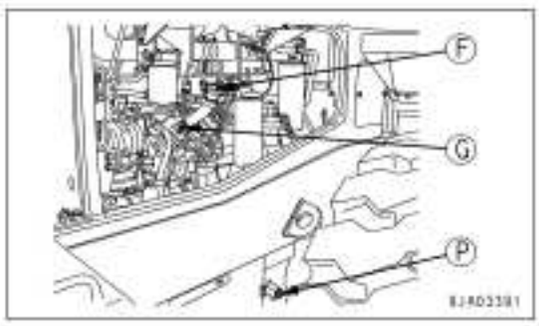
CHANGE OIL IN ENGINE OIL PAN, REPLACE ENGINE OIL FILTER CARTRIDGE

⚠ WARNING

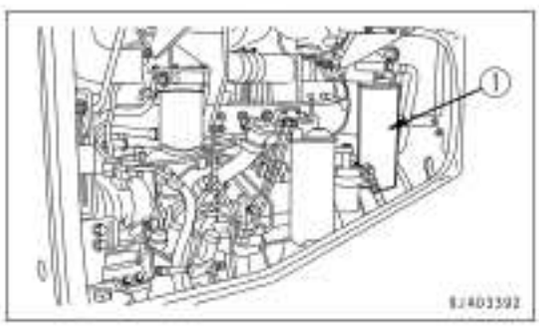
- **The parts and oil are at high temperature after the engine is stopped, and may cause burns.Wait for the temperature to go down before starting the work.**
- **When removing the oil filler cap, turn it slowly to release the internal pressure, then remove it.**

- Container to catch drained oil: Min 38 liters (10.04 US gal) capacity
- Refill capacity: 38 liters (10.04 US gal)
- Filter wrench

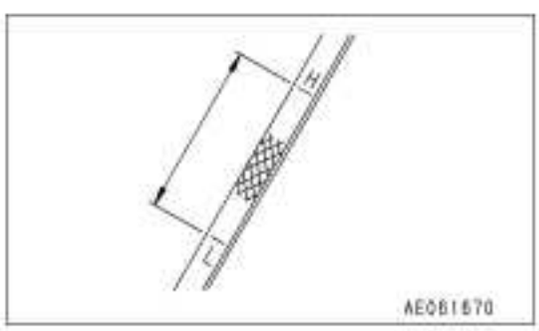
1. Open the engine side cover on the right side of the chassis.
2. Open oil filler (F).
3. Place a container to catch the oil under drain plug (P).
4. Loosen drain plug (P), and drain the oil.
5. Check the drained oil, and if there are excessive metal particles or foreign material, please contact your Komatsu distributor.
6. Install drain plug (P).



7. Using the filter wrench, turn filter cartridge (1) counterclockwise to remove it.
   In particular, if this operation is carried out immediately after stopping the engine, a large amount of oil will come out, so wait for 10 minutes before starting the operation.
8. Clean the filter holder, fill the new filter cartridge with engine oil, then coat the seal and thread of the filter cartridge with engine oil (or coat thinly with grease)and install.
9. When installing, bring the seal surface into contact with the filter holder, then tighten a further 3/4 to 1 turns.



10. After replacing the filter cartridge, add engine oil through oil filler (F) until the oil level is between the H and L marks on the dipstick (G).
11. Run the engine at idling for short time, then stop the engine, and check the oil is between the H and L marks on the dipstick. For details, see "CHECK OIL LEVEL IN ENGINE OIL PAN, ADD OIL (3-71)".



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