CEAM027401

Operation & Maintenance Manual

WA320-7

WHEEL LOADER

SERIAL NUMBER WA320-7 A36001 and up

ENGINE 6D107E-2

March 2016

KOMATSU®

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CONTENTS (PC-0310-001-A-00-A)

FOREWORD 1-1
BEFORE READING THIS MANUAL 1-2
SAFETY INFORMATION 1-3
INTRODUCTION 1-4
USE OF MACHINE 1-4
DIRECTIONS OF MACHINE 1-4
VISIBILITY FROM OPERATOR'S SEAT 1-4
PRODUCT INFORMATION 1-5
PRODUCT IDENTIFICATION NUMBER (PIN)/MACHINE SERIAL NO. PLATE 1-5
EPA REGULATIONS, ENGINE NUMBER PLATE 1-5
SERVICE METER LOCATION 1-6
YOUR MACHINE SERIAL NUMBERS AND DISTRIBUTOR 1-6
CONTENTS 1-7
SAFETY 2-1
SAFETY 2-2
SAFETY LABELS 2-4
LOCATION OF SAFETY LABELS 2-4
SAFETY LABELS 2-5
GENERAL PRECAUTIONS COMMON TO OPERATION AND MAINTENANCE 2-12
PRECAUTIONS BEFORE STARTING OPERATION 2-12
PREPARATIONS FOR SAFE OPERATION 2-13
FIRE PREVENTION 2-15
PRECAUTIONS WHEN GETTING ON OR OFF MACHINE 2-17
DO NOT GET CAUGHT IN WORK EQUIPMENT 2-20
PRECAUTIONS RELATED TO PROTECTIVE STRUCTURES 2-20
UNAUTHORIZED MODIFICATION 2-20
PRECAUTIONS RELATED TO ATTACHMENTS AND OPTIONS 2-21
PRECAUTIONS WHEN RUNNING ENGINE INSIDE BUILDING 2-21
PRECAUTIONS FOR OPERATION 2-22
PRECAUTIONS FOR JOBSITE 2-22
STARTING ENGINE 2-25
OPERATION 2-28
TRANSPORTATION 2-34
TOWING 2-35
PRECAUTIONS FOR MAINTENANCE 2-36
PRECAUTIONS BEFORE STARTING INSPECTION AND MAINTENANCE 2-36
PRECAUTIONS FOR INSPECTION AND MAINTENANCE 2-41
TIRES 2-46
OPERATION 3-1
GENERAL VIEW 3-2
GENERAL VIEW OF MACHINE 3-2
GENERAL VIEW OF CONTROLS AND GAUGES 3-4
EXPLANATION OF COMPONENTS 3-9
MACHINE MONITOR 3-9
SWITCHES 3-76
CONTROL LEVERS AND PEDALS 3-91
CAPS AND COVERS WITH LOCK 3-95
ASHTRAY 3-98
FRAME LOCK BAR 3-99
TOWING PIN 3-100
GREASE PUMP HOLDER 3-101
BATTERY DISCONNECT SWITCH 3-102
SYSTEM OPERATING LAMP 3-104
BACKUP ALARM 3-105
OPEN AND CLOSE CAB DOOR 3-106
FUSE 3-110
SLOW-BLOW FUSE 3-112

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AUXILIARY ELECTRIC POWER 3-113
HANDLING RADIO 3-114
HANDLING AUTO AIR CONDITIONER 3-119
HANDLING FRONT WIPER 3-130
HANDLING REAR VIEW MONITOR 3-131
HANDLING Komatsu Diesel Particulate Filter (KDPF) 3-132
HANDLING Komatsu Closed Crankcase Ventilation (KCCV) 3-140
HANDLING MACHINES EQUIPPED WITH KOMTRAX 3-141
MACHINE OPERATIONS AND CONTROLS 3-143
CHECKS AND ADJUSTMENT BEFORE STARTING ENGINE 3-143
STARTING ENGINE 3-168
CHECKS AFTER STARTING ENGINE 3-173
STOPPING ENGINE 3-176
MACHINE OPERATION 3-177
STEERING MACHINE 3-186
WORK EQUIPMENT CONTROLS AND OPERATIONS 3-188
HANDLING HYDRAULIC TYPE QUICK COUPLER 3-190
RECOMMENDED APPLICATIONS 3-195
RULES FOR OPERATION 3-201
ADJUST WORK EQUIPMENT POSTURE 3-203
PARKING MACHINE 3-210
CHECK AFTER FINISHING WORK 3-212
LOCKING 3-213
HANDLING TIRES 3-214
TRANSPORTATION 3-216
TRANSPORTATION PROCEDURE 3-216
LOADING AND UNLOADING WITH TRAILER 3-217
LIFTING MACHINE 3-221
COLD WEATHER OPERATION 3-223
COLD WEATHER OPERATION INFORMATION 3-223
AFTER DAILY WORK COMPLETION 3-224
IN COLD AREAS 3-224
AFTER COLD WEATHER SEASON 3-224
LONG-TERM STORAGE 3-225
BEFORE STORAGE 3-225
DURING STORAGE 3-225
AFTER STORAGE 3-226
STARTING MACHINE AFTER LONG-TERM STORAGE 3-226
TROUBLES AND ACTIONS 3-227
RUNNING OUT OF FUEL 3-227
TOWING MACHINE 3-228
DISCHARGED BATTERY 3-232
OTHER TROUBLE 3-236
MAINTENANCE 4-1
RULES FOR MAINTENANCE 4-2
SERVICE METER READING 4-2
KOMATSU GENUINE REPLACEMENT PARTS 4-2
KOMATSU GENUINE LUBRICANTS 4-2
ALWAYS USE CLEAN WASHER FLUID 4-2
FRESH AND CLEAN LUBRICANTS 4-2
CHECK DRAINED OIL AND USED FILTER 4-2
CAUTION FOR REFILLING OIL OR FUEL 4-2
WELDING INSTRUCTIONS 4-2
DO NOT DROP THINGS INSIDE MACHINE 4-2
PRECAUTIONS FOR KDPF 4-2
DUSTY JOBSITES 4-2
AVOID MIXING OIL 4-3
LOCKING INSPECTION COVERS 4-3

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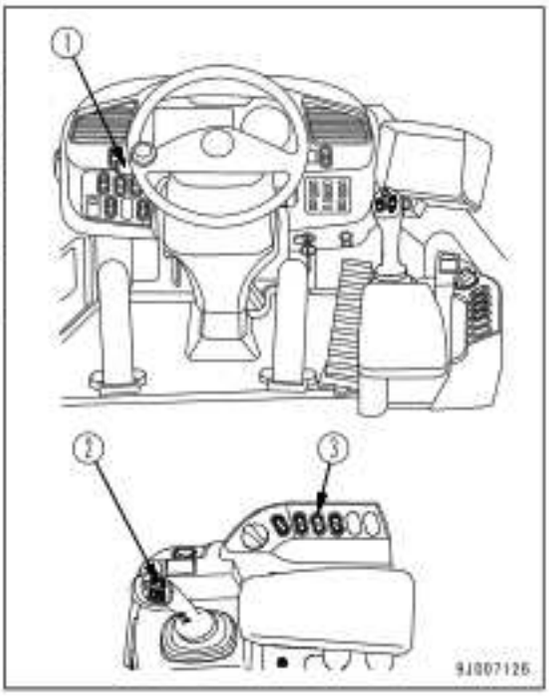
BLEEDING AIR FROM HYDRAULIC CIRCUIT 4-3
PRECAUTIONS WHEN INSTALLING HYDRAULIC HOSES 4-3
CHECKS AFTER INSPECTION AND MAINTENANCE 4-3
FUEL AND LUBRICANTS TO MATCH THE AMBIENT TEMPERATURE 4-3
CLOSE ENGINE SIDE COVER SECURELY 4-3
OUTLINE OF MAINTENANCE 4-4
HANDLING OIL, FUEL, COOLANT, AND PERFORMING OIL CLINIC 4-4
HANDLING ELECTRICAL COMPONENTS 4-8
STANDARD TIGHTENING TORQUE FOR BOLTS AND NUTS 4-9
TIGHTENING TORQUE LIST 4-9
MAINTENANCE SCHEDULE 4-10
MAINTENANCE SCHEDULE TABLE 4-10
MAINTENANCE PROCEDURE 4-12
EVERY 10 HOURS MAINTENANCE (ONLY FOR THE FIRST 100 HOURS) 4-12
INITIAL 250 HOURS MAINTENANCE (ONLY AFTER THE FIRST 250 HOURS) 4-12
INITIAL 1000 HOURS MAINTENANCE (ONLY AFTER THE FIRST 1000 HOURS) 4-12
WHEN REQUIRED 4-13
CHECKS BEFORE STARTING 4-42
EVERY 50 HOURS MAINTENANCE 4-43
EVERY 100 HOURS MAINTENANCE 4-44
EVERY 250 HOURS MAINTENANCE 4-46
EVERY 500 HOURS MAINTENANCE 4-53
EVERY 1000 HOURS MAINTENANCE 4-58
EVERY 2000 HOURS MAINTENANCE 4-64
EVERY 4000 HOURS MAINTENANCE 4-75
EVERY 4500 HOURS MAINTENANCE 4-77
EVERY 8000 HOURS MAINTENANCE 4-78
SPECIFICATIONS 5-1
SPECIFICATIONS 5-2
ATTACHMENTS AND OPTIONS 6-1
TIRE AND BUCKET SELECTION 6-2
HANDLING FORK 6-3
EXPLANATION OF COMPONENTS 6-3
MACHINE OPERATIONS AND CONTROLS 6-5
PCS (Proportional Control Switch) 6-8
DISPLAY OF LIQUID CRYSTAL UNIT 6-9
SETTING METHOD OF PCS 6-11
REPLACEMENT PARTS 7-1
SAFETY CRITICAL PARTS 7-2
SAFETY CRITICAL PARTS LIST 7-2
CONSUMABLE PARTS 7-3
CONSUMABLE PARTS LIST 7-3
RECOMMENDED FUEL, COOLANT, AND LUBRICANT 7-4
LUBRICATION CHART 7-4
LUBRICANTS TO MATCH THE AMBIENT TEMPERATURE AND RECOMMENDED GENUINE LUBRICANTS 7-6
RECOMMENDED BRANDS AND QUALITY FOR PRODUCTS OTHER THAN KOMATSU GENUINE OIL 7-8
INDEX 8-1

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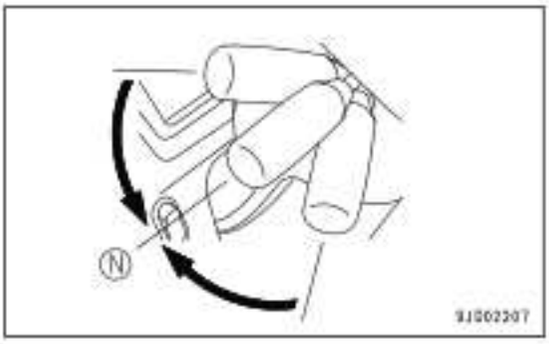
DIRECTIONAL SELECTION BY SWITCH OPERATION

⚠ WARNING

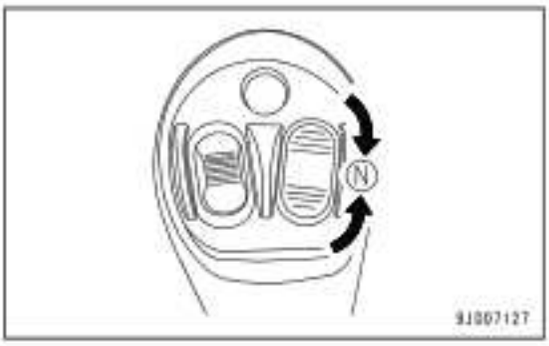
When moving directional lever (1) to F (forward) or R (reverse) position while directional selector switch actuation switch (3) is in ON position, the machine travels forward or in reverse in accordance with directional lever (1) regardless of the position of directional selector switch (2).
Be careful to operate because the operation of directional lever (1) is prior.



1. Set directional lever (1) to N (neutral) position.



2. Set directional selector switch (2) to N (neutral) position.



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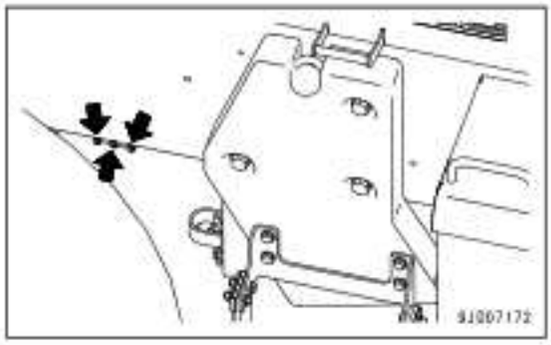
EVERY 100 HOURS MAINTENANCE (ALL-33A0-015-A-00-A)

Maintenance for every 50 hours service should be performed out at the same time.

LUBRICATE REAR AXLE PIVOT PIN (WA320-DAC0-242-K-00-A)

(3 places)

1. Pump in grease through the grease fittings marked by the arrows by using a grease pump.
2. After greasing, wipe off any old grease that is pushed out.



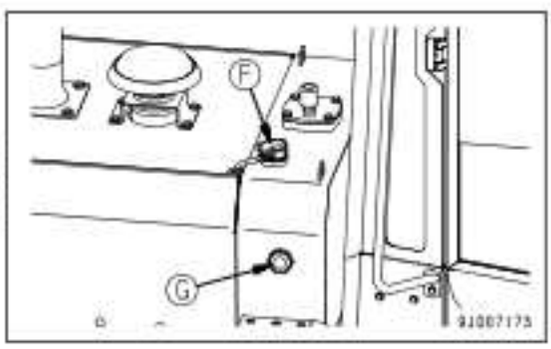
CHECK OIL LEVEL IN HYDRAULIC TANK, ADD OIL (WA320-PM30-212-K-00-A)

⚠ WARNING

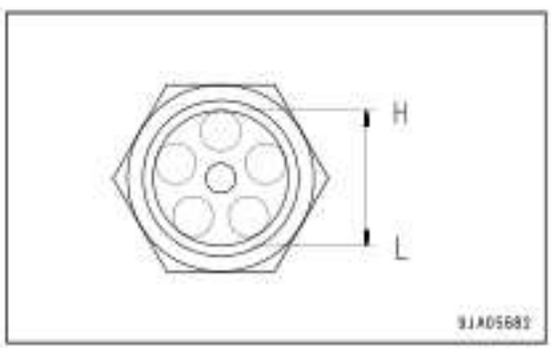
- **The parts and oil are at high temperature immediately after the engine is stopped, and may cause burn. Wait for the temperature to go down before starting the work.**
- **When removing the oil filler cap, the oil may spout out. Turn it slowly to release the internal pressure, then remove it.**

1. Place the bucket on the ground and stop the engine. Wait for 5 minutes before checking oil level. Oil level should be between the H and L marks on sight gauge (G).

NOTICE
If the oil is added to above the H mark, stop the engine and wait for the hydraulic oil to cool down. Then drain excessive oil through the drain plug. It may damage the oil circuit and cause the oil to spurt out.



2. If the oil level is below the L line, add oil through oil filler (F) at the top of the hydraulic tank.



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SPECIFICATIONS (WA320-2110-930-A-00-A)

	Item			Unit	WA320-7
	Machine weight (with bolt on cutting edge (BOC))			kg (lb)	15,300 (33,736)
	Normal load			kg (lb)	4,480 (9,878)
	Bucket capacity	Heaped		m^3(cu.yd)	2.8 (3.7)
	Engine model			-	Komatsu SAA6D107E-2
	Rated hosepower	SAE J1995 (Gross)		kW {HP} / min^{-1} {rpm}	127 {171} /2,100 {2,100}
		ISO 9249 / SAE J1349 (Net)			124 {166} /2,100 {2,100}
A	Overall length			mm (ft in)	7,635 (25' 1")
B	Overall height			mm (ft in)	3,200 (10' 6")
C	Overall height with bucket lifted up			mm (ft in)	5,375 (17' 8")
D	Overall width			mm (ft in)	2,590 (8' 6")
E	Min. ground clearance			mm (ft in)	425 (1' 5")
F	Bucket width			mm (ft in)	2,740 (9' 0")
G	Dumpling clearance (*1)	Cutting edge [BOC tip]		mm (ft in)	2,970 (9' 9") [2,880 (9' 5")]
H	Dumpling reach (*1)	Cutting edge [BOC tip]		mm (ft in)	960 (3' 2") [1,000 (3' 3")]
I	Bucket dump angle (at max. height)			deg.	47
	Min. turning radius	Cutting edge [BOC tip]		mm (ft in)	6,275 (20' 7") [6,310 (20' 8")]
		Center of outside tire		mm (ft in)	5,380 (17' 8")
	Allowable towing load			kN {kg}	113 {11,475}
	Travel speed	Forward	1st	km/h (MPH)	1.0 to 13.0 (0.6 to 8.1)
			2nd	km/h (MPH)	13.0 (8.1)
			3rd	km/h (MPH)	18.7 (11.6)
			4th	km/h (MPH)	38.0 (23.6)
		Reverse	1st	km/h (MPH)	1.0 to 13.0 (0.6 to 8.1)
			2nd	km/h (MPH)	13.0 (8.1)
			3rd	km/h (MPH)	18.7 (11.6)
			4th	km/h (MPH)	38.0 (23.6)

*1: Indicates the value when the bucket dump angle is 45 degrees.

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