CEAM009002

Operation & Maintenance Manual

KOMATSU®

WA480-5L

WHEEL LOADER

SERIAL NUMBERS WA480-5L A37001 and up

ENGINE 6D125E-3

April 2016

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CONTENTS

INTRODUCTION

FOREWORD 0-2
SAFETY INFORMATION 0-4
APPROVED AND NON-APPROVED USES 0-5
NON-APPROVED 0-5
PRODUCT IDENTIFICATION 0-6
MACHINE SERIAL NUMBER 0-6
ENGINE SERIAL NUMBER AND EMISSION LABEL 0-7
SERVICE METER LOCATION 0-7
SERIAL NUMBERS AND DEALER INFORMATION 0-8
CONTENTS 0-9

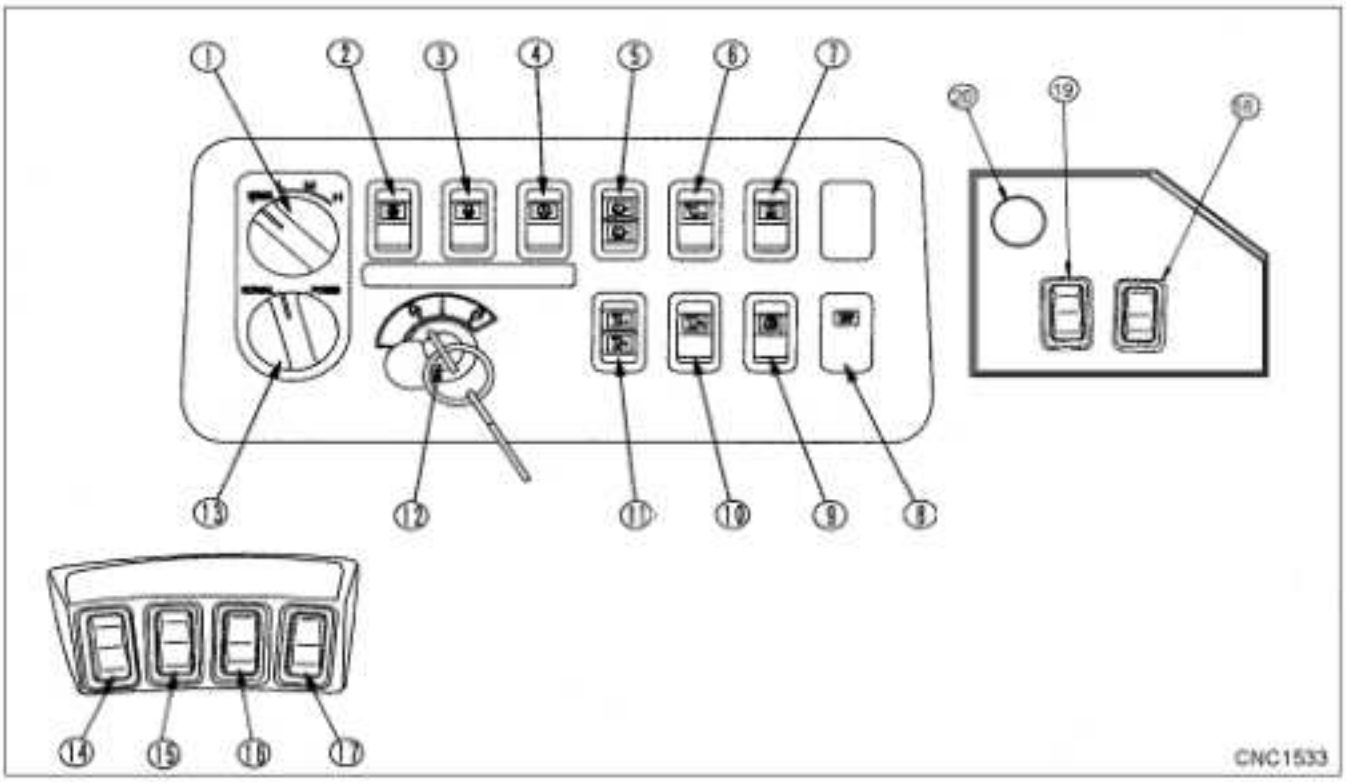
SAFETY

GENERAL SAFETY RULES AND PRECAUTIONS 1-2
GENERAL SAFETY RULES 1-2
SAFETY FEATURES 1-3
PERSONAL PROTECTIVE EQUIPMENT 1-3
UNAUTHORIZED MODIFICATIONS 1-4
LEAVING OPERATOR'S COMPARTMENT 1-4
MOUNTING AND DISMOUNTING 1-5
WASTE HANDLER APPLICATIONS 1-5
FIRE PREVENTION FOR FUEL AND OIL 1-6
DUST HAZARD PRECAUTIONS 1-6
CRUSH OR PINCH POINT DANGERS 1-7
FIRE EXTINGUISHER AND FIRST AID KIT 1-7
INSIDE OPERATOR'S COMPARTMENT 1-8
PRECAUTIONS WHEN USING ROPS 1-8
PRECAUTIONS FOR ATTACHMENTS 1-8
STARTING YOUR WORK OPERATIONS 1-9
WORK SITE HAZARDS 1-9
AVOIDING DANGEROUS SITUATIONS 1-9
WORKING CLEARANCES 1-11
RULES FOR ROAD TRAVEL 1-12
TRAVELING IN REVERSE 1-12
TRAVELING ON ICY OR SNOW-COVERED SURFACES 1-12
WORKING ON LOOSE OR UNSTABLE GROUND 1-12
TRAVEL ON SLOPES 1-13
PARKING THE MACHINE 1-14
PRECAUTIONS DURING MAINTENANCE OPERATIONS 1-15
WARNING TAGS 1-15
EQUIPMENT STORAGE 1-15
WORKING UNDER THE MACHINE 1-16
USING DROP LAMPS 1-16
KEEPING THE MACHINE CLEAN 1-17
RUNNING THE MACHINE DURING MAINTENANCE 1-17

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SWITCH PANELS

These switches are used to control various functions relating to the machines operating system, it is important the operator become familiar with the switch function and what system they control Without knowledge of all the switch controlled systems damage the machine, property or possibly cause injury to the operator may result.



RIGHT SWITCH PANEL

1. Transmission shift mode selector switch
2. Transmission cut-off set switch
3. ✱ Cooling fan reverse rotation switch
4. Emergency steering switch (if equipped)
5. (Not used in North America)
6. Torque converter lock-up switch (if equipped)
7. Directional selector actuation switch (if equipped)
8. Auto greasing switch (if equipped)
9. Torque converter lock-up switch
10. Remote positioner lower mode switch (if equipped)
11. Remote positioner raise/lower set switch (if equipped)
12. Ignition switch
13. Power mode selector switch

LEFT FRONT SWITCH PANEL

14. Monitor panel mode selector switch 1
15. Monitor panel mode selector switch 2
16. Front working lamp switch
17. Rear working lamp switch

FAR RIGHT SWITCH PANEL (WASTE HANDLER ONLY)

18. Fan directional switch
19. Fan mode switch
20. Auto reverse interval timer

✱ Not on Waste Handling applications

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WEAR PARTS LIST

Wear parts such as the filter element, air cleaner element, bucket tooth, etc. are to be replaced at the time of periodic maintenance or before their abrasion limits.

The wear parts should be changed correctly in order to use the machine economically.

For part change, Komatsu genuine parts of excellent quality should be used.

When ordering parts, please check the part number in the parts book.

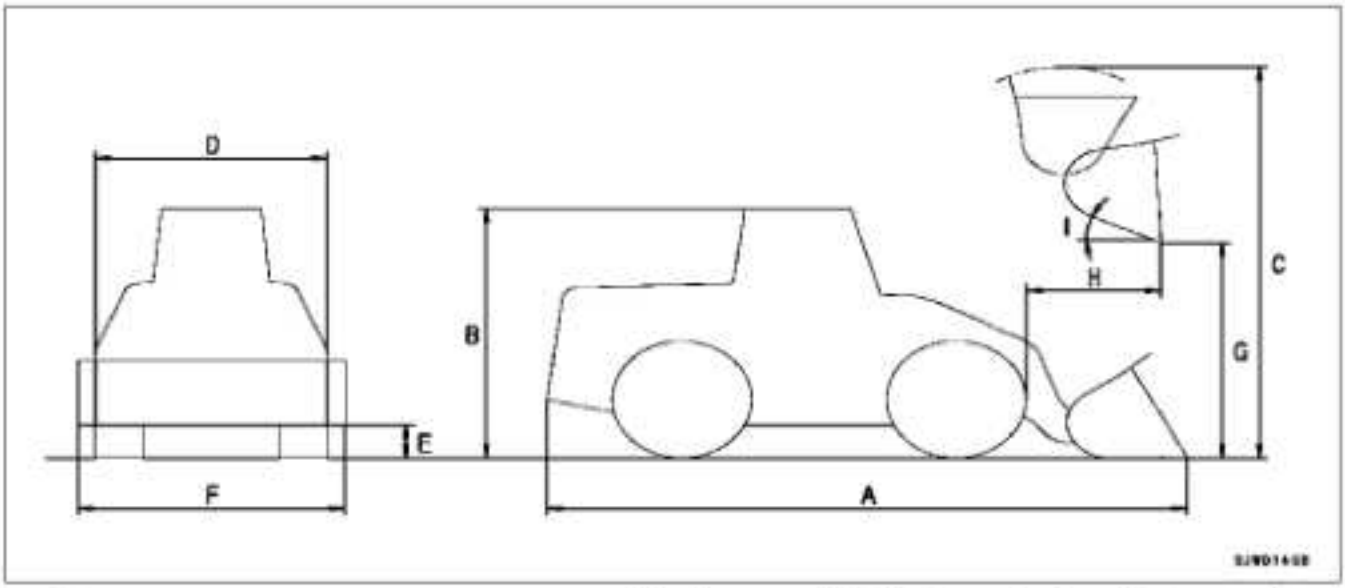
The parts in parentheses are to be replaced at the same time.

Item		Part Name	Q'ty	Replacement frequency
Engine oil filter		Cartridge	1	EVERY 500 HOURS
Fuel filter		Cartridge	1	EVERY 500 HOURS
Fuel strainer		O-ring	1	-
Transmission oil filter		Cartridge	1	EVERY 1000 HOURS
Transmission strainer		O-ring	1	EVERY 1000 HOURS
Corrosion resistor		Cartridge	1	EVERY 1000 HOURS
Hydraulic filter		Element (O-ring)	1 (1)	EVERY 2000 HOURS
Hydraulic tank breather		Element	1	EVERY 2000 HOURS
Air cleaner		Element assembly	1	WHEN REQUIRED
Air conditioner air filter		Element	1	EVERY 2000 HOURS
Bolt on cutting edge	Standard type	Center edge Side edge (Bolt) (Nut) (Washer)	2 2 (18) (18) (18)	WHEN REQUIRED
	Long life type	Center edge Side edge (Bolt) (Nut) (Washer)	2 2 (18) (18) (18)	WHEN REQUIRED
	Segmented type	Center edge Side edge (Bolt) (Nut) (Washer)	6 2 (16) (16) (16)	WHEN REQUIRED
Articulation guards		Rubber sheets	2	WHEN REQUIRED
Boom cylinder hose guard		Top belt Bottom belt	2 2	WHEN REQUIRED

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SPECIFICATIONS

WA480-5L WITH BOLT-ON CUTTING EDGE

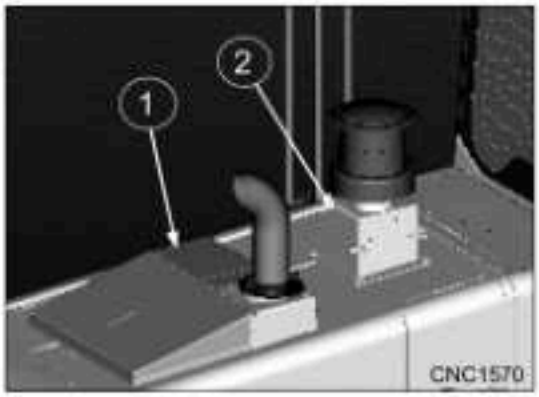


	Item			Unit	WA480-5L standard specification machine (when using POWER mode)
	Operating weight, including 1 operator: 80 kg (176 lb) (with bolt on cutting edge)			kg (lb.)	24,145 (53,240)
	Normal load			kg (lb.)	7,820 (17,243)
	Bucket capacity	Heaped		m^3 (yd^3)	4.6 (6.0)
	Engine model			-	Komatsu SAA6D125E-3 diesel engine
	Flywheel horsepower			kW(HP)/rpm	202 (271)/2,000
A	Overall length			mm (ft. in.)	9,155 (30 ft.)
B	Overall height			mm (ft. in.)	3,500 (11 ft. 6 in.)
C	Max. dimension when shanking bucket			mm (ft. in.)	6,175 (20 ft. 3 in.)
D	Overall width			mm (ft. in.)	3,010 (9 ft. 11 in.)
E	Min. ground clearance			mm (ft. in.)	525 (1 ft. 9 in.)
F	Bucket width			mm (ft. in.)	3,170 (10 ft. 5 in.)
G	Clearance	Cutting edge [BOC tip]		mm (ft. in.)	3,300 (10 ft. 10 in.) [3,205 (10 ft. 6 in.)]
H	Reach	Cutting edge [BOC tip]		mm (ft. in.)	1,370 (4 ft.6 in.) [1,410 (4 ft. 8 in.)]
I	Dump angle			degrees	45
	Min. turning radius	Outside of chassis		mm (ft. in.)	7,030 (23 ft. 1 in.)
		Center of outside tire		mm (ft. in.)	5,900 (19 ft. 4 in.)
	Travel speed	Forward	1st	km/h (mph)	6.3 (3.9)
			2nd	km/h (mph)	12.1 (7.5)
			3rd	km/h (mph)	21.6 (13.4)
			4th	km/h (mph)	34.3 (21.2)
		Reverse	1st	km/h (mph)	6.6 (3.84.1
			2nd	km/h (mph)	12.8 (8.0)
			3rd	km/h (mph)	22.8 (14.2)
			4th	km/h (mph)	35.8 (22.2)

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★ Air Cleaner and Exhaust area

Inspect areas (1) and (2) for excessive build up of trash.



After cleaning grease the machine to push any water out of the pivot point connections.

Always reinstall all protective covers.

FAN SOLENOID VALVE

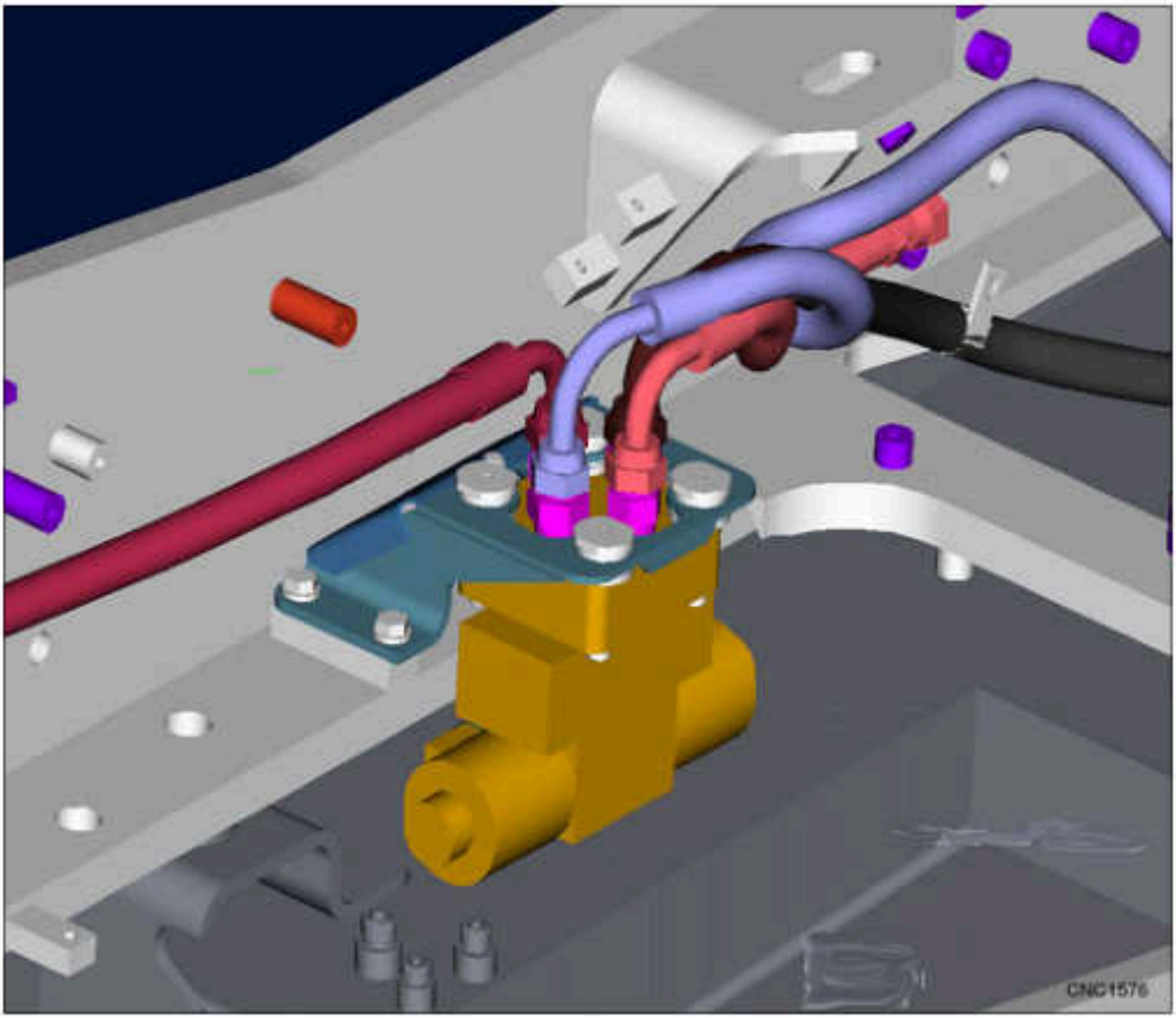
★ Waste Handler

When cleaning the machine, this area should be protected from high pressure water and soaps. Due to the location and design of the fan solenoid valve damage or premature failure may result if high pressure water or soaps come in contact with the solenoid valve assembly. Use only mild soaps and low pressure water to clean this valve.

Remark

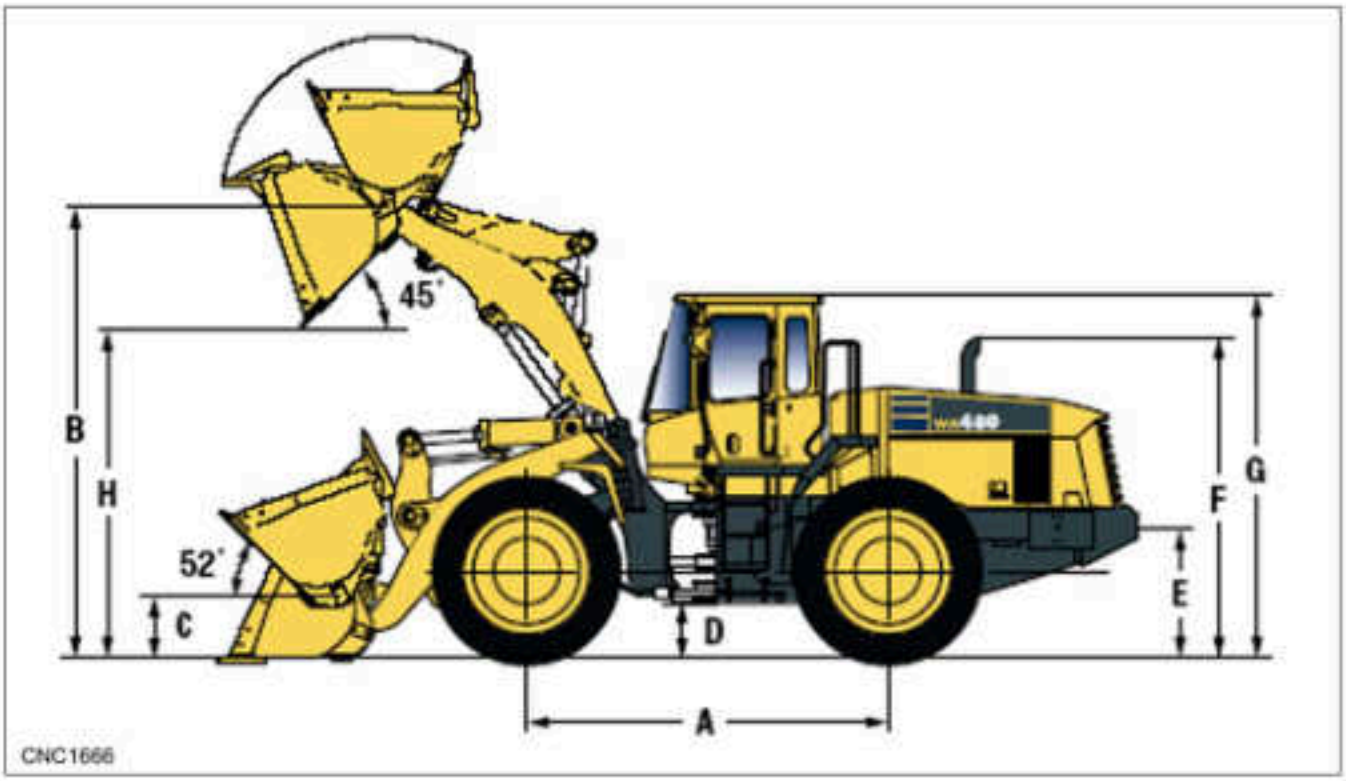
This valve area should be cleaned every 250 hours of operation.

When washing around this area it is advised to protect this component with a plastic cover.



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MACHINE DIMENSIONS AND WEIGHTS



TIRES

	Tire Specifications	mm	(in)
	Tread	2300	7'7"
	Width over tires	3010	9'11"
A	Wheel base	3450	11'4"
B	Hinge pin height at Max. height	4505	14'9"
C	Hinge pin height at carry position	585	1'11"
D	Ground clearance	525	1'9"
E	Hitch point height	1240	4'1"
F	Overall height, top of stack	3080	10'2"
G	Overall height ROPS cab	3500	11'6"

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