VEAM960600

Operation & Maintenance Manual

KOMATSU®

WA85-3

WHEEL LOADER

SERIAL NUMBER

HA960166 and up

April 2001

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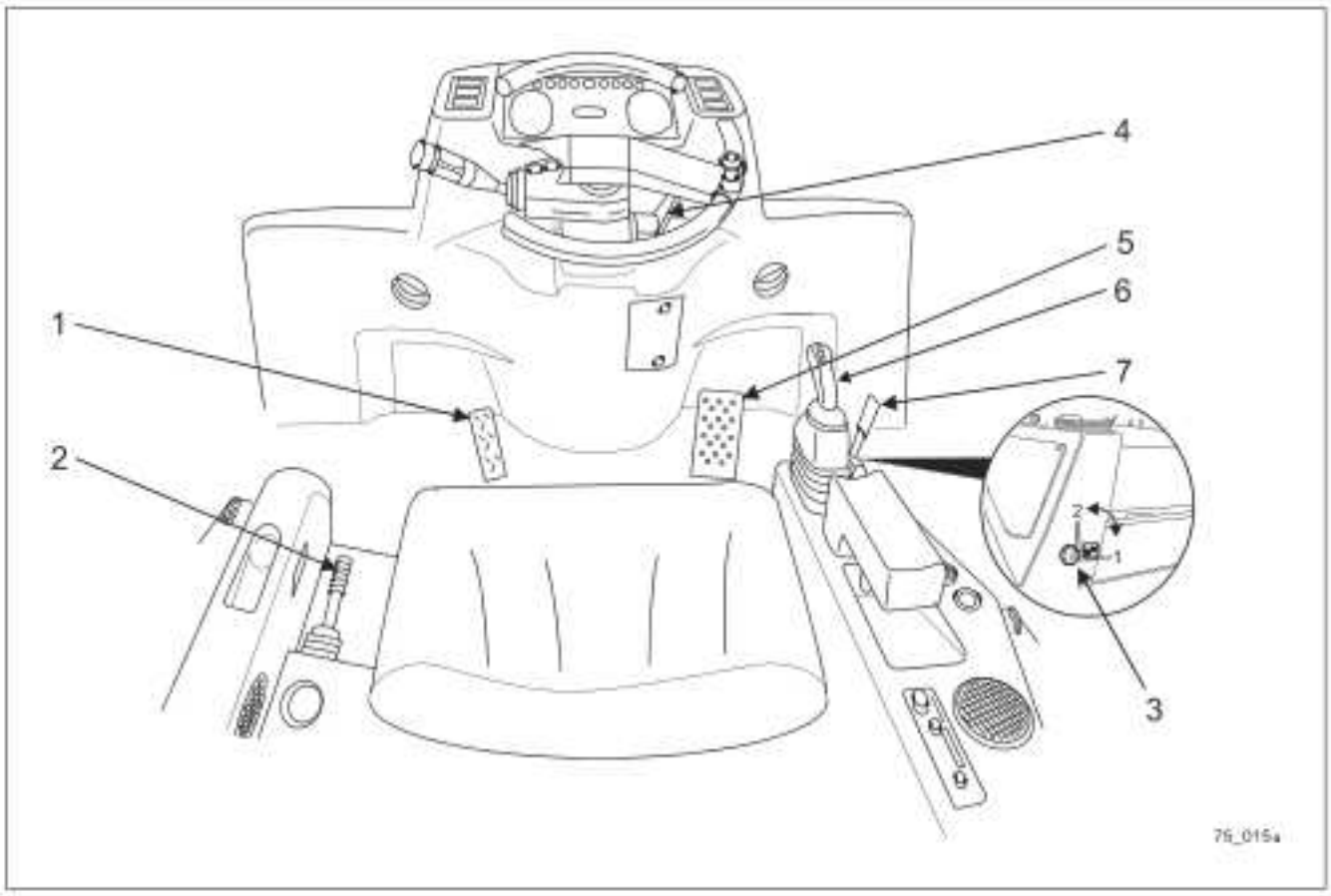
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CONTROL LEVERS, PEDALS



1. Brake pedal
2. Parking brake
3. Safety lever to close or open the work hydraulic system
4. Steering column adjustment
5. Accelerator pedal
6. Multifunctional lever
7. Control lever for special equipment
8. Switching lever for bucket (without fig.)

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MAINTENANCE EVERY 500 OPERATING HOURS

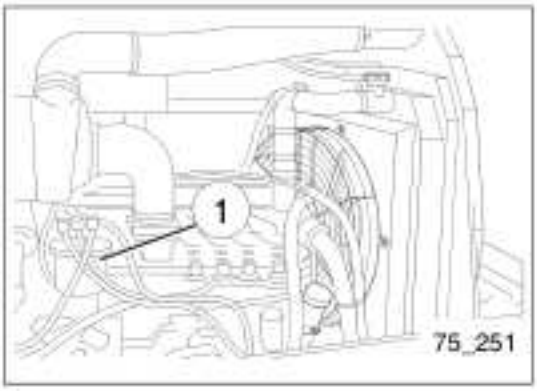
All maintenance operations to be performed after 10, 50, 100 and 250 hours of operation also fall into this maintenance category.

CHANGING THE FUEL FILTER AND FILTER ELEMENT

DANGER

- **Danger of fire! Fuel may ignite on hot surfaces! Only change the filter elements if the engine has sufficiently cooled down. Stay away with open fire or sparks while handling with fuel. Do not smoke.**

1. For maintenance operations, park and secure machine as described in chapter "Preparing the Machine for Maintenance".
2. Clean the area around the fuel filter (1).
3. Unscrew the filter element counterclockwise with the filter screwdriver.
4. Clean the filter head.
5. Fill up the new filter element with clean fuel.
6. Lubricate the sealing faces of the filter element lightly with engine oil.
7. During reassembly, re-tighten the filter element manually, until the seal is fitting. Then re-tighten the filter element. (Consider the specifications of the filter manufacturer on the filter).
8. Then purge the fuel system. (see section "Bleeding the Fuel System").
9. Start the engine and check for leaks.



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TECHNICAL DATA

SPECIFICATIONS		
Engine	Model	Komatsu 4D 98E - 2 HC
	Engine Output (ISO 9249)	48 kW (64.39 Hp) / 2500 rpm
	Torque, max. (ISO 9249)	245 Nm / 1600 rpm
	Starter Motor	12 V - 2.3 kW
	Alternator	12 V - 60 A
	Battery	12 V - 92 Ah
Driving Speed forward and backwards: Standard version	1st	3.55 mph (5.7 km/h)
	2nd	11.81 mph (19.0 km/h)
Driving Speed forward and backwards: High-speed version overdrive switched off	1st	4.66 mph (7.5 km/h)
	2nd	9.32 mph (15.0 km/h)
Driving Speed forward and backwards: High-speed version overdrive switched on	1st	8.1 mph (13.0 km/h)
	2nd	18.65 mph (30.0 km/h)
Tractive force, max.		43.6 kN
Turning radius	Outside Counterweight	12 ft 4.6 in (3775 mm)
	Outer Edge Bucket, Standard	13 ft 11.7 in (4260 mm)
Bucket, Standard		31.802 cuft (0.9 m^3)

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