Operation & Maintenance Manual

VEAM970500

WA90-3

WHEEL LOADER

SERIAL NUMBERS HA970239 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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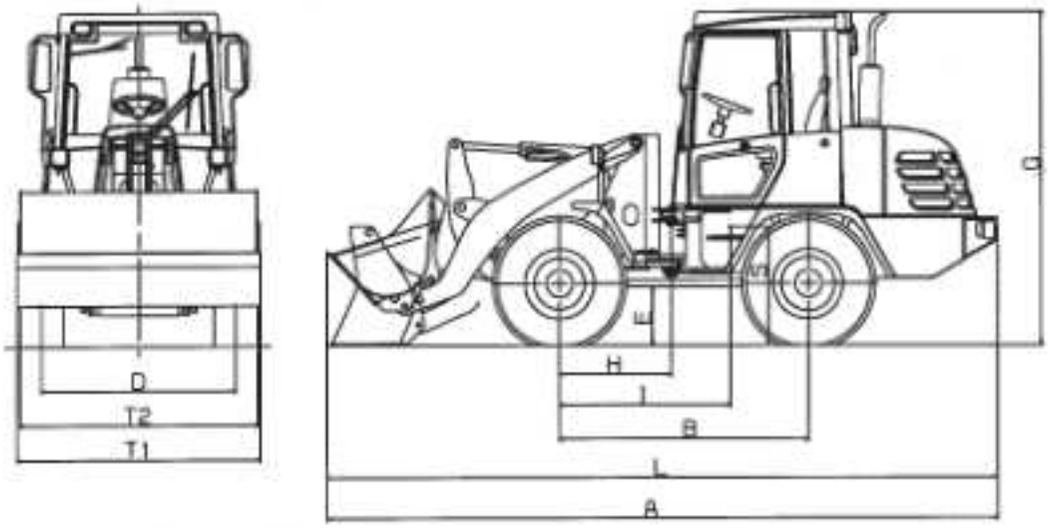
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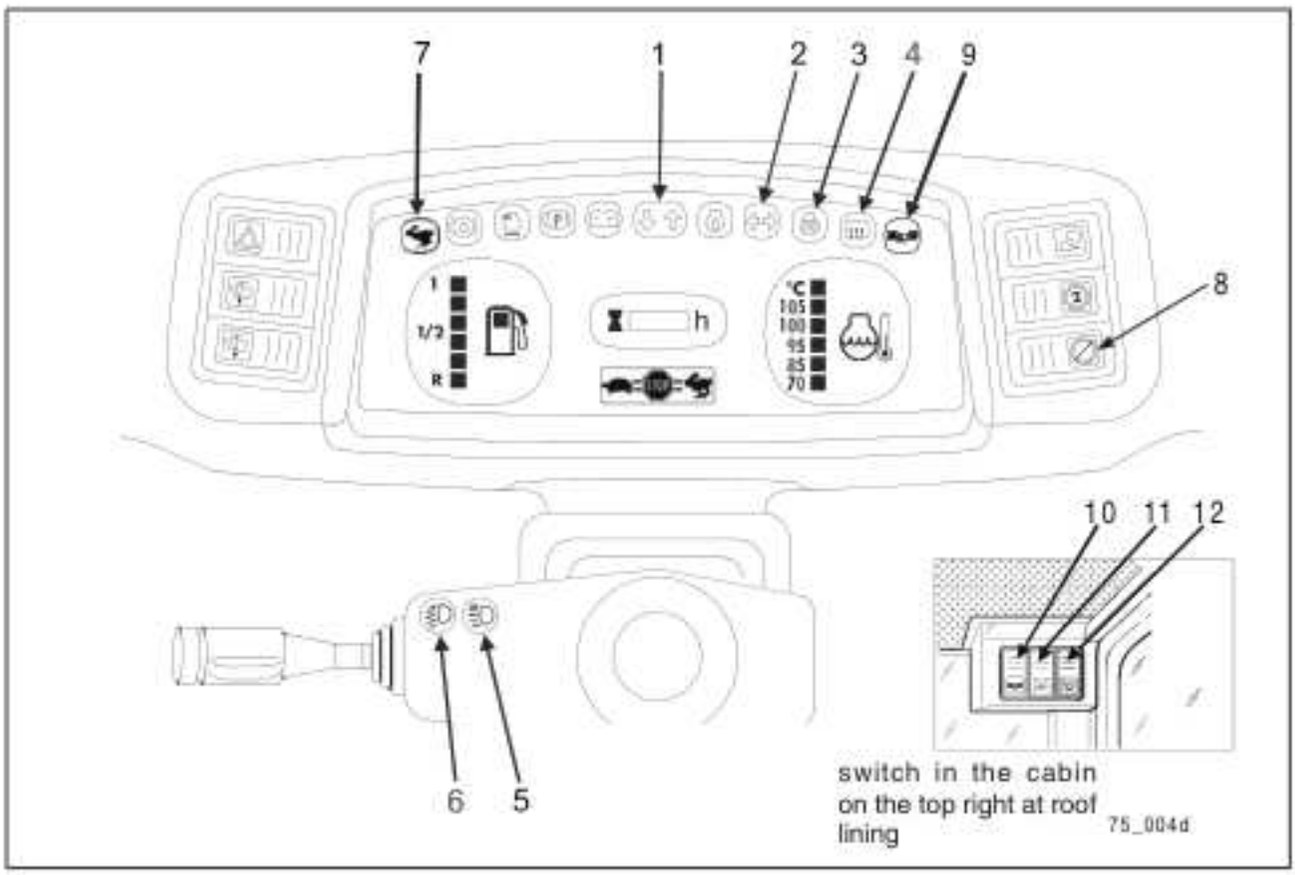
Dimensions, Weights, and Operating Values



	Dimensions, Operating Values			
	Bucket capacity according to ISO 7546	**m³**	**1.0**	
	Loose weight	t/m³	1.8	
	Stat. tipping load, straight	kg	4515	
	Stat. tipping load, bent by 40°	kg	3910	
	Working load without CTW Working load with CTW	kg kg	2300 2400	
	Tear-out force, hydraulic	kN	72.5	
	Hydr. lifting capacity on ground	kN	57.0	
	Operating weight	kg	5610	
	Turning radius over bucket	mm	4435	
L	Bucket length in transport position	mm	5670	
A	Bucket length during planing	mm	5600	
T1	Width with bucket	mm	2100	The 1.0 m³ standard bucket given in the table is also available as with blade attachment.
T2	Width without bucket (above wheels)	mm	2010	
G	Height, including ROPS	mm	2720	
D	Track (front section) Track (rear section)	mm mm	1590 1590	Special buckets: 1.25 m³ light weight material bucket 1.6 m³ light weight material bucket 0.9 m³ multi-purpose bucket
B	Width over tyres	mm	2150	
H	Distance articulated steer. - front axle	mm	1035	These values apply to machines with 405/70 R20 tyres
E	Ground clearance, axle / transfer gear ground clearance, cardan shaft	mm mm	370 480	
F	Centre of gravity, height above axle centre	mm	450	*) CTW = additional counterweight
I	Centre of gravity, distance to front axle	mm	1395	
				ABM_90E.TBL

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Control Lamps

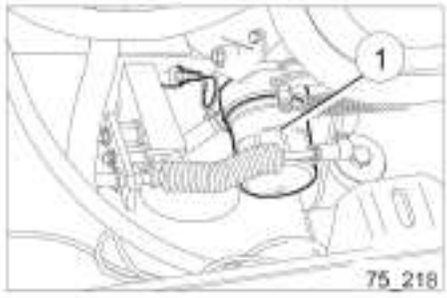


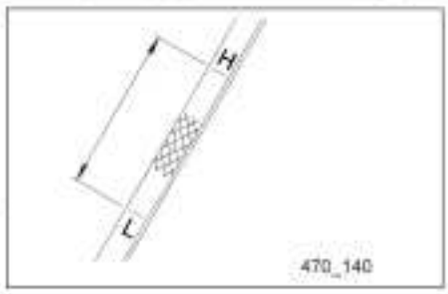
(1) Driving direction switch indicator
(2) Direction indicator control lamp
(3) Air preheater control lamp
(4) Heated rear windscreen indicator
(5) High beam control lamp
(6) Low beam control lamp
(7) High-speed gear control lamp, high-speed gear switched on (active only with high speed version)
(8) Control lamp in the high-speed gear switch, high-speed gear switched off (option)
(9) ALS-Electronics control lamp (active only with built in ALS-Electronics)
(10) Control lamp in the ALS-Electronics switch (option)
(11) Control lamp in the air conditioning switch (option)
(12) Warning beacon control lamp (option)

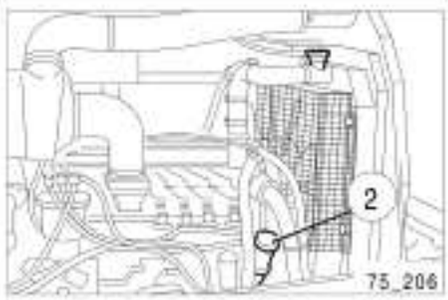
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Replacing the Oil Filter Cartridge

10. Turn the filter screwdriver anti-clockwise to unscrew the filter cartridge (1).
11. Clean the filter holder. Completely fill up the new filter cartridge with engine oil. Slightly oil both the gasket and the thread of the cartridge with engine oil. Screw in the filter cartridge again.
12. When installing the filter cartridge, make sure that the sealing surface of the cartridge slightly touches the filter holder. Then, tighten the filter cartridge according to the filter manufacturer's specification.
13. After replacing the filter cartridge, fill in clean engine oil until the oil level reaches up to the (H) marking on the oil dipstick.
    For details on recommended engine oils see section "Lubricants and Service Fluids".
14. Close the oil filler (2).
15. Let the engine run in idle for about five minutes and check whether oil is leaking out.
16. Switch off the engine.
17. Wait about ten minutes, then check the oil level again. The oil level must be between the 'H' and 'L' markings on the oil dipstick.
    For further details see section "Checks Prior to Start".







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