CEAMW23091

Operation & Maintenance Manual

WA380-3

WHEEL LOADER

SERIAL NUMBERS WA380-3LE A50001 and up

ENGINE 6D114E-1

April 2016

KOMATSU®

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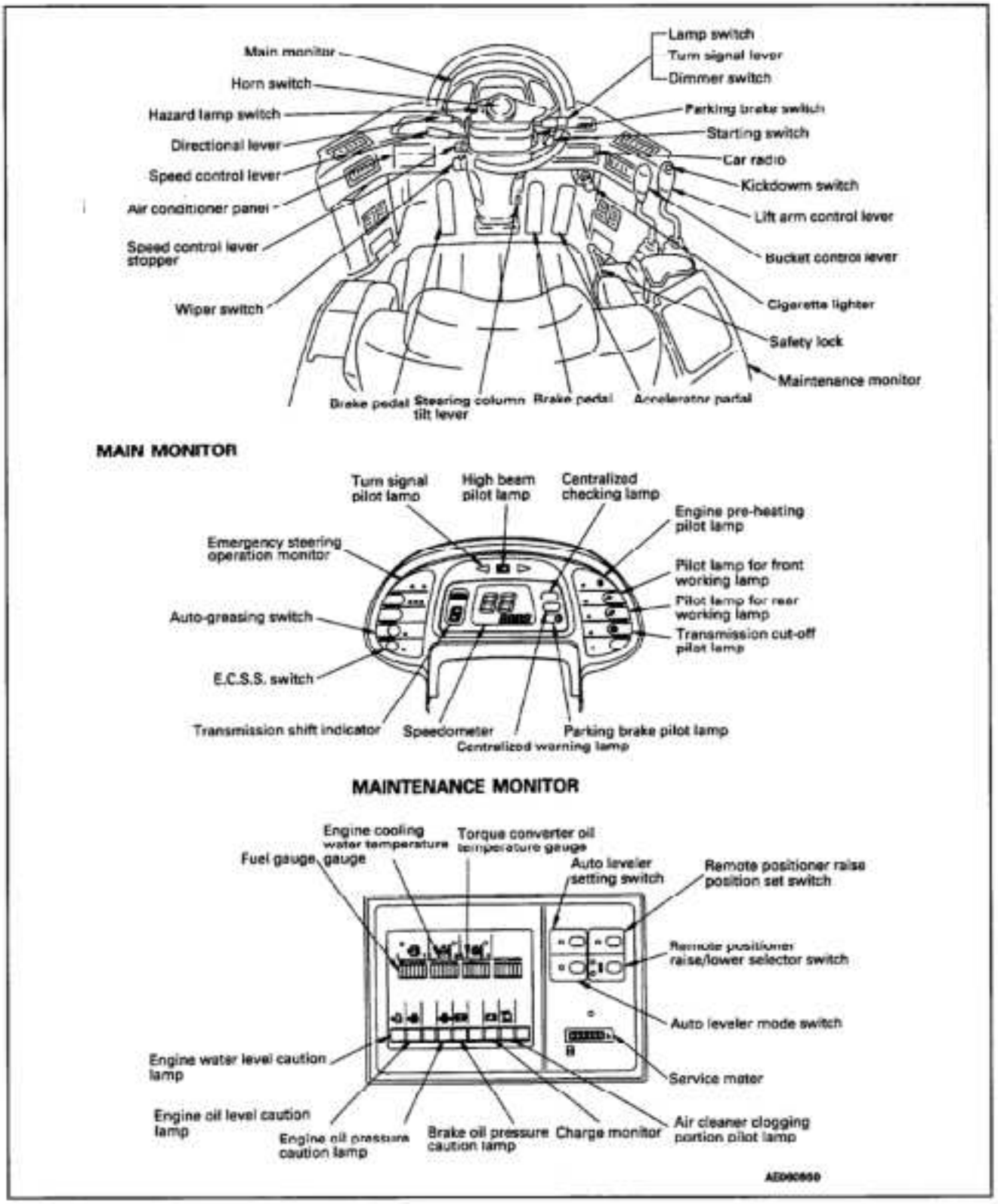
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10.2 GENERAL VIEW OF CONTROLS AND GAUGES



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18.1.4 GREASE

- Grease is used to reduce friction and help prevent wear, twisting and noise at the joints.
- Grease fittings that were not referred to in the maintenance schedule do not require any scheduled greasing. Add grease to these areas only if something becomes stiff or squeaky.
- Always wipe off all of the old grease that is pushed out when greasing. Be particularly careful to wipe off the old grease in places where sand or dirt sticking in the grease would cause wear of the rotating parts.

18.1.5 STORING OIL AND FUEL

- Keep indoors to prevent any water, dirt, or other impurities from getting into storage containers.
- When keeping drums for a long period, put the drum on its side so that the filler port of the drum is at the side. (To prevent moisture from being sucked in) Periodically inspect drums for leakage.
  If drums have to be stored outside, cover them with a waterproof sheet or take other measures to protect them.
- To prevent any change in quality during long-term storage, be sure to use in the order of first in - first out (use the oldest oil or fuel first).

18.1.6 FILTERS

- Filters are extremely important safety parts. They prevent impurities in the fluid and air circuits from entering important equipment and causing problems.
  Replace all filters periodically. For details, **see "23. MAINTENANCE SCHEDULE CHART" on page 3-26.**
  However, when working in severe conditions, it is necessary to consider replacing the filters at shorter intervals according to the oil and fuel (sulfur content) being used.
- Never try to clean the filters (cartridge type) and use them again. Always replace with new filters.
- When replacing oil filters, check if any metal particles are stuck to the old filter. If any metal particles are found, please contact your distributor.
- Do not open packs of spare filters until just before they are to be used.
- Always use genuine Komatsu filters.

FUEL INJECTION PUMP

DO NOT ATTEMPT TO ADJUST THE FUEL INJECTION PUMP

Unsatisfactory operation of the engine may not be due to the fuel injection pump. If unsatisfactory operation persists after servicing the filters, consult your distributor to service the fuel injection pump. Special equipment and knowledge are required for proper injection pump service. These are available at your distributor.

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25. SPECIFICATIONS

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			STANDARD TIRE	LARGE SIZE TIRE
			20.5-25(L3)	23.5-25 L3)
PERFORMANCE				
• Bucket capacity			3.1 m³ (4.1 cu.yd)	
• Normal load			4960 kg (10940 lb)	
• Travel speed	FORWARD	1st	7.1 km/h (4.4 mph)	7.7 km/h (4.8 mph)
		2nd	11.4 km/h (7.1 mph)	12.3 km/h (7.6 mph)
		3rd	20.2 km/h (12.5 mph)	21.4 km/h (13.3 mph)
		4th	31.0 km/h (19.3 mph)	34.0 km/h (21.1 mph)
	REVERSE	1st	7.4 km/h (4.6 mph)	8.0 km/h (5.0 mph)
		2nd	11.8 km/h (7.3 mph)	12.8 km/h (7.9 mph)
		3rd	21.0 km/h (13.0 mph)	22.6 km/h (14.0 mph)
		4th	32.5 km/h (20.0 mph)	35.0 km/h (21.7 mph)
• Max. rimpull			16300 kg (159850 N)	15000 kg (147100 N)
• Min. turning radius	Outside of chassis		6370 mm (20 ft 11 in)	
	Center of outside tire		5475 mm (18 ft)	
• **WEIGHT**				
• Operating weight (including 1 operator: 80 kg (176 lb).) (with bolt on cutting edge)			16140 kg (35590 lb)	17105 kg (37720 lb)
• **ENGINE**				
• Model			Komatsu S6D114E-1	
• Flywheel horsepower			141 kW (189 hp)/2200	
• Max. torque (gross)			862 N•m (636 lbf ft) 1500 rpm	
• Starting motor			24V 7.5 kW	
• Alternator			24V 50A	
• Battery			12V 150 Ah x 2 pieces	

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