TEN00162-03

Operation & Maintenance Manual

WHELL LOADER

WA800-3E0
WA900-3E0

SERIAL NUMBERS WA800-70001 and up
WA900-60001

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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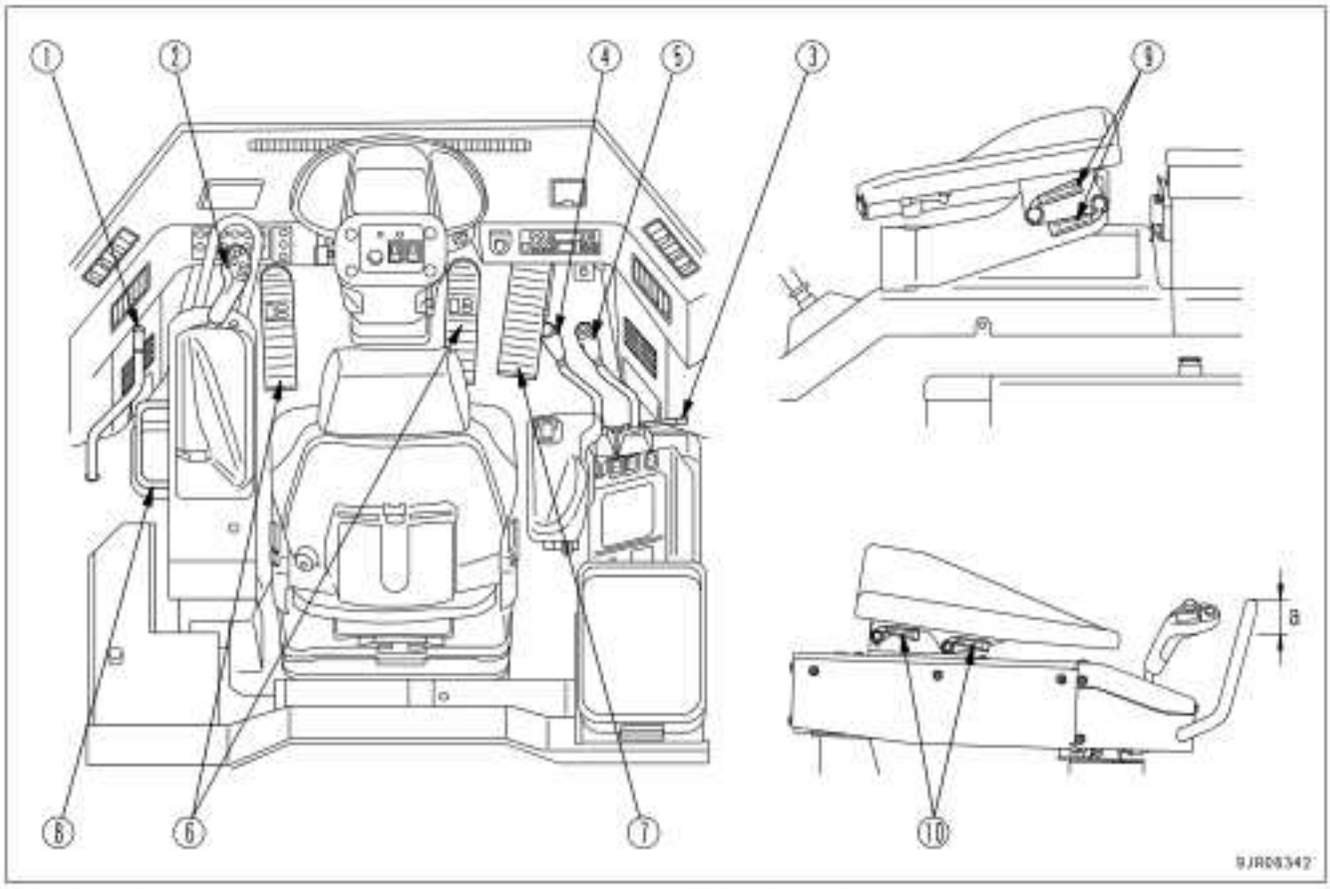
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CONTROL LEVERS, PEDALS



(1) Steering lock lever
(2) AJSS lever
(3) Work equipment lock lever
(4) Bucket control lever
(5) Lift arm control lever
(6) Brake pedal
(7) Accelerator pedal
(8) AJSS lever front-rear adjustment knob
(9) Right armrest adjustment lever
(10) Left armrest adjustment lever

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Capacity \ Reservoir		Engine oil pan	Transmission case	Hydraulic system	Brake oil tank	Front axle
Specified	Liters	140	164	1065	42	360
	US gal	36.96	43.3	281.16	11.09	95.0
Refill	Liters	130	140	725	31	360
	US gal	34.35	36.96	191.4	8.18	95.0

Capacity \ Reservoir		Rear axle	Pins	Fuel tank	Cooling system
Specified	Liters	360	-	1555	337
	US gal	95.0	-	410.83	89.0
Refill	Liters	360	-	-	-
	US gal	95.0	-	-	-

NOTICE

Use only diesel fuel.

The engine mounted on this machine employs electronic control and a high-pressure fuel injection device to obtain good fuel consumption and good exhaust gas characteristics. For this reason, it requires high precision for the parts and good lubrication. If kerosene or other fuel with low lubricating ability is used, there will be a big drop in durability.

Always use the fuel specified for the temperature in the Operation and Maintenance Manual.

- If the fuel is used at temperatures lower than the specified temperature (particularly at temperatures below -15° C (5°F)), the fuel will solidify.
- If the fuel is used at temperatures higher than the specified temperature, the viscosity will drop, and this may result in problems such as a drop in output.

Note 1: HTHS (High-Temperature High-Shear Viscosity 150°C), specified by ASTM D4741 must be equal to or higher than 3.5 mPa-S. Komatsu EOS0W30 and EOS5W40 are the most suitable oils.

Note 2: Powertrain oil has different properties from engine oil. Be sure to use the recommended oils.

Note .3: Axle oil AXO80 has the function of preventing squealing from the brakes and LSD (Limited Slip Differential). If only AXO80 is recommended, use Komatsu genuine AXO80 or equivalent.

Note .4: When the ambient temperature is higher than 45°C (113°F) and the machine operation hour is longer than 12 hours/day, then the use of EO50-CD instead of AXO80 is recommended.
Squealing of the brakes may occur with EO50-CD, but there is no problem with the brake performance or durability.

Note. 5: If the machine is equipped with automatic greasing system, see "HANDLING AUTO-GREASING SYSTEM (PAGE 6-3)".

Note .6: Hyper grease (G2-T, G2-TE) has a high performance.
When it is necessary to improve the lubricating ability of the grease in order to prevent squeaking of pins and bushings, the use of G2-T or G2-TE is recommended.

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EVERY 4000 HOURS SERVICE

Maintenance for every 50, 100, 250, 500, 1000 and 2000 hours service should be carried out at the same time.

CHECK WATER PUMP

Check that there is no play in the pulley or any grease leakage, water leakage, or clogging of the drain hole. If any problem is found, contact your Komatsu distributor for disassembly and repair or replacement.

CHECK STARTING MOTOR

The brush may be worn or have no grease on the bearing, so contact your Komatsu distributor for inspection or repair.
If the engine is started frequently, carry out inspection every 1000 hours.

CHECK FAN PULLEY AND TENSION PULLEY

Check the pulley for play and leakage of grease. If there is any abnormality, please contact your Komatsu distributor for disassembly and repair or replacement.

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